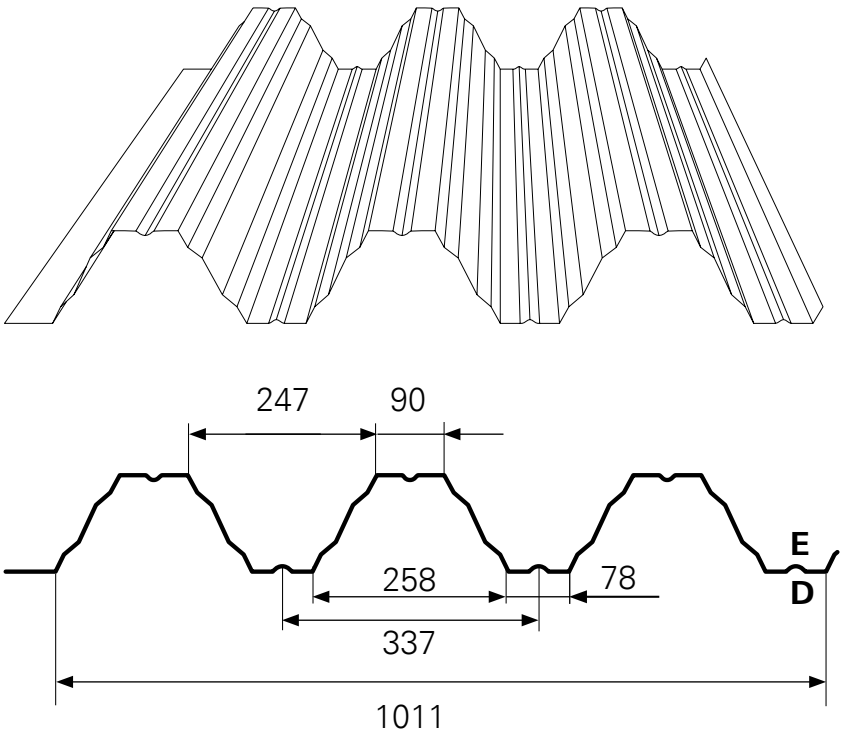
Trapezoidal sheets are widely used in the construction industry due to their high versatility. They are an excellent facade cladding and roof covering material for buildings: from the smallest (garages and sheds) to large production buildings and commercial facilities. Our offer includes a wide range of products, from economical solutions to tall construction profiles with parameters enabling their use in the most demanding industrial applications.

T130

Technical parameters [in mm]	
Effective width	1011
Total width	~1045
Height of profile	134
Thickness of steel sheet	0,7–1,5
Max. length of sheet	14 000

DECORATIVE COATING
VERSION T130E/T130D



The assumption and a comment on the steel sheet resistance tables

Load-bearing capacity tables have been prepared for trapezoidal sheets manufactured by "BLACHPROFIL 2" used as single-span beams and continuous beams: two-span and three-span beams, as well as for overlapping sheets - as two- and three-span beams (tables for overlapping arrangements can be obtained by contacting the BLACHPROFIL 2 project sales department). Alternative supports (positive or negative) were taken into account.

The results were obtained on the basis of static-strength analysis of steel sheets treated as thin-walled elements according to the algorithm of Professor R. J. Garncarek from the Białystok University of Technology, according to PN-EN 1993-1-3: August 2008, as amended. The calculations were performed using the software developed by "KOTEX" (www.kotex.waw.pl).

In the calculations, the following assumptions were made in accordance with PN-EN 1993-1-3:
- elastic material with yield strength $\mathbf{f}_{yb}$ according to Table 3.1b;
- material safety factor $\gamma m = 1.0$.

The tables summarize the design loads for limit state I (ULS), expressing the permissible load bearing capacity and the characteristic loads for limit state II (SLS), corresponding to the permissible deflections. The permissible loads in the SLS are specified for deflections **L**/150, **L**/200, and **L**/300. The loads are expressed in kN/m^2.

The ranges of parameters for the analyzed metal sheets are stated below:

Type of metal sheet: T130
Steel: S280 GD, S320 GD, S350 GD,

Sheet thicknesses: 0.60 mm, 0.70 mm, 0.75 mm, 0.80 mm, 0.88 mm, 1.00 mm. 1.15 mm, 1.25 mm, 1.50 mm

The width of the intermediate support [b]: 60 mm, 80 mm, 120 mm, 160 mm, 300 mm

The span of the spans [m]: L_{min} = 2.00 m, L_{max} = 8.50 m

General recommendations

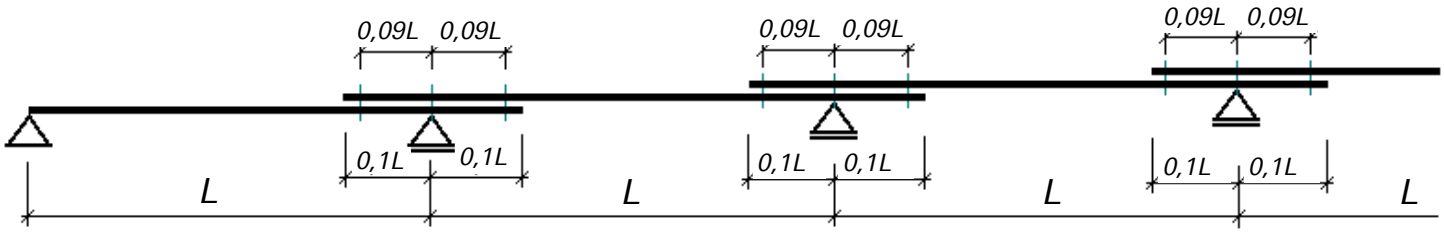
The tables indicate the extreme support widths (60 mm) recommended by the manufacturer while in the calculation, the extreme support width was assumed to be a=10 mm in accordance with a PN-EN standard. The tables for the regular, two- and three-span arrangements were prepared for intermediate support widths of **b**=60 mm, 100 mm, 140 mm, and 300 mm.

The design loads should be compared with the values in the tables - row 1, for a span not less than the value assumed in the design of the structure.
In the case of two- and three-span sheets, the table corresponding to the width of the intermediate support **b** not larger than the width assumed in the design of the structure should be chosen.
Linear interpolation can be used for both the intermediate support width **b** and the **L** span.

These tables may be used if the following conditions are met:
the load acting on the assumed static systems is a uniformly distributed continuous load;
the span lengths in multi-span arrangements do not differ by more than 5%, but to determine ULS and SLS, the largest length of the span is assumed;
the trapezoidal sheet fixing method is in accordance with the manufacturer's instructions.

In other individual cases, it is recommended to consult a representative of our company.

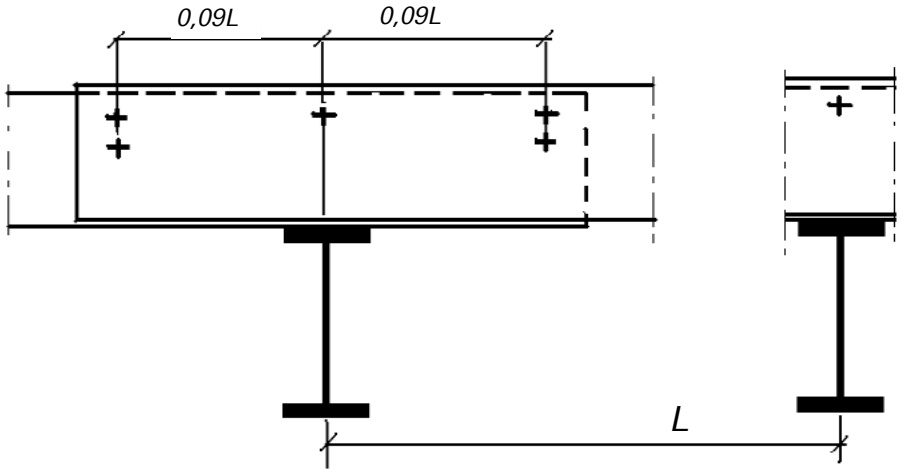
Recommendations for overlapping arrangements
The tables have been prepared assuming overlaps equal to 0.1 of the span, as shown in Figure*:



For overlap arrangements, the intermediate support must meet the condition of >=60 mm.

The connectors should be placed above the support axes and on both sides of the support at a distance equal to 0.09 of the span:

The minimum distance between the center of gravity of the connectors and the support



Sheet weight (kg/m²)

THICKNESS	WEIGHT
0,70	8,16
0,75	8,75
0,80	9,33
0,88	10,26
1,00	11,66
1,10	12,83
1,20	13,99
1,25	14,58
1,50	17,49

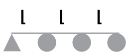
* Tables for overlapped layouts are available on request.

T130

S280 GD

T130-v2			Positive																										
Number of spans:		1	support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.16	1.11	1.06	1.02	0.99	0.95	0.92	0.89	0.86	0.83	0.81	0.78
	204.21	SGU L/150	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.14	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.68	1.61	1.54	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.13	1.07	1.00
	245.24	SGU L/150	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	2.03	1.94	1.85	1.78	1.71	1.64	1.58	1.52	1.47	1.41	1.32	1.24	1.16	1.09
	265.30	SGU L/150	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.32	2.22	2.12	2.03	1.95	1.88	1.81	1.74	1.64	1.53	1.43	1.34	1.26	1.19
	286.60	SGU L/150	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.10	5.42	4.88	4.43	4.06	3.75	3.48	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.12	1.97	1.84	1.72	1.61	1.51	1.42	1.34
	316.73	SGU L/150	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.41	6.59	5.93	5.39	4.94	4.56	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	4.05	3.85	3.66	3.50	3.34	3.14	2.89	2.68	2.48	2.31	2.15	2.01	1.88	1.77	1.66	1.57
	360.77	SGU L/150	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	9.62	8.55	7.69	6.99	6.41	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.99	5.66	5.36	5.09	4.85	4.43	4.06	3.73	3.43	3.17	2.94	2.74	2.55	2.38	2.23	2.10	1.97	1.86
	417.99	SGU L/150	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	12.74	11.32	10.19	9.26	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	7.08	6.69	6.33	5.93	5.38	4.90	4.49	4.12	3.80	3.51	3.26	3.03	2.82	2.64	2.47	2.32	2.18	2.05
	456.26	SGU L/150	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	15.04	13.37	12.03	10.94	10.03	9.26	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	15.04	13.37	12.03	10.94	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.51	10.79	10.16	9.14	8.20	7.40	6.71	6.12	5.60	5.14	4.74	4.38	4.06	3.78	3.52	3.29	3.08	2.89	2.72	2.56
	547.51	SGU L/150	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	21.59	19.19	17.27	15.70	14.39	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	21.59	19.19	17.27	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

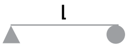
Number of spans:		2	support: 60 - 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.44	3.84	3.36	2.97	2.65	2.38	2.15	1.96	1.79	1.65	1.52	1.41	1.31	1.22	1.14	1.07	1.00	0.94	0.89	0.84	0.79	0.75	0.71	0.68	0.65	0.61	0.59
	204.21	SGU L/150	4.44	3.84	3.36	2.97	2.65	2.38	2.15	1.96	1.79	1.65	1.52	1.41	1.31	1.22	1.14	1.07	1.00	0.94	0.89	0.84	0.79	0.75	0.71	0.68	0.65	0.61	0.59
	219.01	SGU L/200	4.44	3.84	3.36	2.97	2.65	2.38	2.15	1.96	1.79	1.65	1.52	1.41	1.31	1.22	1.14	1.07	1.00	0.94	0.89	0.84	0.79	0.75	0.71	0.68	0.65	0.61	0.59
		SGU L/300	4.44	3.84	3.36	2.97	2.65	2.38	2.15	1.96	1.79	1.65	1.52	1.41	1.31	1.22	1.14	1.07	1.00	0.94	0.89	0.84	0.79	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	5.92	5.09	4.44	3.92	3.49	3.13	2.83	2.57	2.35	2.15	1.98	1.84	1.70	1.58	1.48	1.38	1.30	1.22	1.15	1.08	1.02	0.97	0.92	0.87	0.83	0.79	0.75
	245.24	SGU L/150	5.92	5.09	4.44	3.92	3.49	3.13	2.83	2.57	2.35	2.15	1.98	1.84	1.70	1.58	1.48	1.38	1.30	1.22	1.15	1.08	1.02	0.97	0.92	0.87	0.83	0.79	0.75
	255.51	SGU L/200	5.92	5.09	4.44	3.92	3.49	3.13	2.83	2.57	2.35	2.15	1.98	1.84	1.70	1.58	1.48	1.38	1.30	1.22	1.15	1.08	1.02	0.97	0.92	0.87	0.83	0.79	0.75
		SGU L/300	5.92	5.09	4.44	3.92	3.49	3.13	2.83	2.57	2.35	2.15	1.98	1.84	1.70	1.58	1.48	1.38	1.30	1.22	1.15	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	6.70	5.76	5.02	4.42	3.93	3.52	3.18	2.89	2.64	2.42	2.23	2.06	1.91	1.77	1.65	1.55	1.45	1.36	1.28	1.21	1.14	1.08	1.02	0.97	0.92	0.88	0.84
	265.30	SGU L/150	6.70	5.76	5.02	4.42	3.93	3.52	3.18	2.89	2.64	2.42	2.23	2.06	1.91	1.77	1.65	1.55	1.45	1.36	1.28	1.21	1.14	1.08	1.02	0.97	0.92	0.88	0.84
	273.76	SGU L/200	6.70	5.76	5.02	4.42	3.93	3.52	3.18	2.89	2.64	2.42	2.23	2.06	1.91	1.77	1.65	1.55	1.45	1.36	1.28	1.21	1.14	1.08	1.02	0.97	0.92	0.88	0.84
		SGU L/300	6.70	5.76	5.02	4.42	3.93	3.52	3.18	2.89	2.64	2.42	2.23	2.06	1.91	1.77	1.65	1.55	1.45	1.36	1.28	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	7.51	6.45	5.61	4.94	4.39	3.93	3.55	3.22	2.93	2.69	2.47	2.29	2.12	1.97	1.83	1.71	1.60	1.51	1.42	1.34	1.26	1.19	1.13	1.07	1.02	0.97	0.92
	286.60	SGU L/150	7.51	6.45	5.61	4.94	4.39	3.93	3.55	3.22	2.93	2.69	2.47	2.29	2.12	1.97	1.83	1.71	1.60	1.51	1.42	1.34	1.26	1.19	1.13	1.07	1.02	0.97	0.92
	292.01	SGU L/200	7.51	6.45	5.61	4.94	4.39	3.93	3.55	3.22	2.93	2.69	2.47	2.29	2.12	1.97	1.83	1.71	1.60	1.51	1.42	1.34	1.26	1.19	1.13	1.07	1.02	0.97	0.92
		SGU L/300	7.51	6.45	5.61	4.94	4.39	3.93	3.55	3.22	2.93	2.69	2.47	2.29	2.12	1.97	1.83	1.71	1.60	1.51	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	8.87	7.60	6.61	5.81	5.16	4.61	4.15	3.77	3.43	3.14	2.89	2.66	2.47	2.29	2.13	1.99	1.86	1.75	1.64	1.55	1.46	1.38	1.31	1.24	1.18	1.12	1.07
	316.73	SGU L/150	8.87	7.60	6.61	5.81	5.16	4.61	4.15	3.77	3.43	3.14	2.89	2.66	2.47	2.29	2.13	1.99	1.86	1.75	1.64	1.55	1.46	1.38	1.31	1.24	1.18	1.12	1.07
	321.21	SGU L/200	8.87	7.60	6.61	5.81	5.16	4.61	4.15	3.77	3.43	3.14	2.89	2.66	2.47	2.29	2.13	1.99	1.86	1.75	1.64	1.55	1.46	1.38	1.31	1.24	1.18	1.11	1.01
		SGU L/300	8.87	7.60	6.61	5.81	5.16	4.61	4.15	3.77	3.43	3.14	2.89	2.66	2.47	2.29	2.13	1.99	1.86	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	11.04	9.45	8.20	7.19	6.37	5.69	5.12	4.63	4.21	3.85	3.54	3.26	3.01	2.80	2.60	2.43	2.27	2.13	2.00	1.88	1.77	1.68	1.59	1.50	1.43	1.36	1.29
	360.77	SGU L/150	11.04	9.45	8.20	7.19	6.37	5.69	5.12	4.63	4.21	3.85	3.54	3.26	3.01	2.80	2.60	2.43	2.27	2.13	2.00	1.88	1.77	1.68	1.59	1.50	1.43	1.36	1.29
	365.01	SGU L/200	11.04	9.45	8.20	7.19	6.37	5.69	5.12	4.63	4.21	3.85	3.54	3.26	3.01	2.80	2.60	2.43	2.27	2.13	2.00	1.88	1.77	1.68	1.59	1.50	1.38	1.26	1.15
		SGU L/300	11.04	9.45	8.20	7.19	6.37	5.69	5.12	4.63	4.21	3.85	3.54	3.26	3.01	2.80	2.60	2.43	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	13.98	11.93	10.33	9.04	7.99	7.13	6.40	5.78	5.25	4.80	4.40	4.05	3.74	3.47	3.22	3.00	2.80	2.63	2.46	2.32	2.18	2.06	1.95	1.85	1.75	1.66	1.58
	417.99	SGU L/150	13.98	11.93	10.33	9.04	7.99	7.13	6.40	5.78	5.25	4.80	4.40	4.05	3.74	3.47	3.22	3.00	2.80	2.63	2.46	2.32	2.18	2.06	1.95	1.85	1.75	1.66	1.58
	419.75	SGU L/200	13.98	11.93	10.33	9.04	7.99	7.13	6.40	5.78	5.25	4.80	4.40	4.05	3.74	3.47	3.22	3.00	2.80	2.63	2.46	2.32	2.18	2.06	1.93	1.75	1.59	1.45	1.33
		SGU L/300	13.98	11.93	10.33	9.04	7.99	7.13	6.40	5.78	5.25	4.80	4.40	4.05	3.74	3.47	3.22	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	16.05	13.68	11.83	10.34	9.13	8.13	7.30	6.59	5.97	5.45	5.00	4.60	4.24	3.93	3.65	3.40	3.17	2.97	2.79	2.62	2.47	2.33	2.20	2.08	1.97	1.88	1.78
	456.26	SGU L/150	16.05	13.68	11.83	10.34	9.13	8.13	7.30	6.59	5.97	5.45	5.00	4.60	4.24	3.93	3.65	3.40	3.17	2.97	2.79	2.62	2.47	2.33	2.20	2.08	1.97	1.88	1.78
	456.26	SGU L/200	16.05	13.68	11.83	10.34	9.13	8.13	7.30	6.59	5.97	5.45	5.00	4.60	4.24	3.93	3.65	3.40	3.17	2.97	2.79	2.62	2.47	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	16.05	13.68	11.83	10.34	9.13	8.13	7.30	6.59	5.97	5.45	5.00	4.60	4.24	3.93	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	21.62	18.36	15.82	13.80	12.15	10.80	9.66	8.70	7.88	7.17	6.57	6.03	5.56	5.14	4.77	4.43	4.13	3.87	3.62	3.40	3.20	3.02	2.85	2.69	2.55	2.42	2.30
	547.51	SGU L/150	21.62	18.36	15.82	13.80	12.15	10.80	9.66	8.70	7.88	7.17	6.57	6.03	5.56	5.14	4.77	4.43	4.13	3.87	3.62	3.40	3.20	3.02	2.85	2.69	2.55	2.42	2.30
	547.51	SGU L/200	21.62	18.36	15.82	13.80	12.15	10.80	9.66	8.70	7.88	7.17	6.57	6.03	5.56	5.14	4.77	4.43	4.13	3.87	3.62	3.40	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	21.62	18.36	15.82	13.80	12.15	10.80	9.66	8.70	7.88	7.17	6.57	6.03	5.56	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15



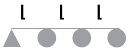
Number of spans:		3	support: 60 - 60 - 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.95	1.80	1.67	1.55	1.45	1.35	1.27	1.19	1.12	1.06	1.00	0.95	0.90	0.85	0.81	0.77	0.74	0.70
	204.21	SGU L/150	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.95	1.80	1.67	1.55	1.45	1.35	1.27	1.19	1.12	1.06	1.00	0.95	0.90	0.85	0.81	0.77	0.74	0.70
	219.01	SGU L/200	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.95	1.80	1.67	1.55	1.45	1.35	1.27	1.19	1.12	1.06	1.00	0.94	0.85	0.77	0.70	0.64	0.58	0.54
		SGU L/300	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.95	1.80	1.67	1.55	1.45	1.29	1.14	1.01	0.90	0.80	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.03	2.77	2.55	2.35	2.18	2.02	1.88	1.76	1.65	1.55	1.45	1.37	1.29	1.22	1.16	1.10	1.05	1.00	0.95	0.90
	245.24	SGU L/150	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.03	2.77	2.55	2.35	2.18	2.02	1.88	1.76	1.65	1.55	1.45	1.37	1.29	1.22	1.16	1.10	1.05	1.00	0.91	0.84
	255.51	SGU L/200	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.03	2.77	2.55	2.35	2.18	2.02	1.88	1.76	1.65	1.55	1.45	1.37	1.25	1.13	1.01	0.92	0.83	0.76	0.69	0.63
		SGU L/300	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.03	2.77	2.55	2.35	2.18	2.02	1.78	1.55	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.66	5.92	5.33	4.85	4.44	4.10	3.75	3.41	3.12	2.86	2.64	2.44	2.27	2.11	1.97	1.84	1.73	1.63	1.53	1.45	1.37	1.29	1.23	1.17	1.11	1.06	1.01
	265.30	SGU L/150	6.66	5.92	5.33	4.85	4.44	4.10	3.75	3.41	3.12	2.86	2.64	2.44	2.27	2.11	1.97	1.84	1.73	1.63	1.53	1.45	1.37	1.29	1.23	1.17	1.08	0.98	0.90
	273.76	SGU L/200	6.66	5.92	5.33	4.85	4.44	4.10	3.75	3.41	3.12	2.86	2.64	2.44	2.27	2.11	1.97	1.84	1.73	1.63	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	6.66	5.92	5.33	4.85	4.44	4.10	3.75	3.41	3.12	2.86	2.64	2.44	2.21	1.91	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	7.62	6.77	6.10	5.54	5.08	4.63	4.18	3.80	3.47	3.19	2.94	2.72	2.52	2.34	2.19	2.05	1.92	1.80	1.70	1.60	1.51	1.43	1.36	1.29	1.23	1.17	1.11
	286.60	SGU L/150	7.62	6.77	6.10	5.54	5.08	4.63	4.18	3.80	3.47	3.19	2.94	2.72	2.52	2.34	2.19	2.05	1.92	1.80	1.70	1.60	1.51	1.43	1.36	1.27	1.15	1.05	0.96
	292.01	SGU L/200	7.62	6.77	6.10	5.54	5.08	4.63	4.18	3.80	3.47	3.19	2.94	2.72	2.52	2.34	2.19	2.05	1.92	1.80	1.61	1.44	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	7.62	6.77	6.10	5.54	5.08	4.63	4.18	3.80	3.47	3.19	2.94	2.72	2.36	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.27	8.24	7.41	6.74	6.07	5.44	4.91	4.46	4.07	3.73	3.43	3.17	2.94	2.73	2.55	2.38	2.23	2.10	1.97	1.86	1.76	1.66	1.57	1.49	1.42	1.35	1.29
	316.73	SGU L/150	9.27	8.24	7.41	6.74	6.07	5.44	4.91	4.46	4.07	3.73	3.43	3.17	2.94	2.73	2.55	2.38	2.23	2.10	1.97	1.86	1.76	1.66	1.54	1.40	1.27	1.16	1.06
	321.21	SGU L/200	9.27	8.24	7.41	6.74	6.07	5.44	4.91	4.46	4.07	3.73	3.43	3.17	2.94	2.73	2.55	2.38	2.23	2.00	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.27	8.24	7.41	6.74	6.07	5.44	4.91	4.46	4.07	3.73	3.43	3.04	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.02	10.68	9.62	8.47	7.52	6.73	6.06	5.49	5.00	4.58	4.21	3.89	3.60	3.34	3.11	2.91	2.72	2.55	2.40	2.26	2.14	2.02	1.91	1.81	1.72	1.64	1.56
	360.77	SGU L/150	12.02	10.68	9.62	8.47	7.52	6.73	6.06	5.49	5.00	4.58	4.21	3.89	3.60	3.34	3.11	2.91	2.72	2.55	2.40	2.26	2.14	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.02	10.68	9.62	8.47	7.52	6.73	6.06	5.49	5.00	4.58	4.21	3.89	3.60	3.34	3.11	2.91	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.02	10.68	9.62	8.47	7.52	6.73	6.06	5.49	5.00	4.58	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	15.92	14.02	12.16	10.67	9.45	8.44	7.59	6.87	6.25	5.72	5.25	4.84	4.48	4.15	3.86	3.60	3.37	3.16	2.97	2.79	2.64	2.49	2.36	2.23	2.12	2.01	1.92
	417.99	SGU L/150	15.92	14.02	12.16	10.67	9.45	8.44	7.59	6.87	6.25	5.72	5.25	4.84	4.48	4.15	3.86	3.60	3.37	3.16	2.97	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	15.92	14.02	12.16	10.67	9.45	8.44	7.59	6.87	6.25	5.72	5.25	4.84	4.48	4.15	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	15.92	14.02	12.16	10.67	9.45	8.44	7.59	6.87	6.25	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	18.80	16.09	13.94	12.22	10.81	9.65	8.67	7.84	7.13	6.51	5.97	5.50	5.09	4.71	4.38	4.09	3.82	3.58	3.36	3.16	2.98	2.81	2.66	2.52	2.39	2.27	2.16
	456.26	SGU L/150	18.80	16.09	13.94	12.22	10.81	9.65	8.67	7.84	7.13	6.51	5.97	5.50	5.09	4.71	4.38	4.09	3.82	3.58	3.36	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	18.80	16.09	13.94	12.22	10.81	9.65	8.67	7.84	7.13	6.51	5.97	5.50	5.09	4.71	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	18.80	16.09	13.94	12.22	10.81	9.65	8.67	7.84	7.13	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	25.44	21.66	18.71	16.35	14.43	12.84	11.52	10.39	9.43	8.59	7.87	7.24	6.68	6.18	5.74	5.35	4.99	4.67	4.38	4.12	3.88	3.66	3.46	3.27	3.10	2.94	2.80
	547.51	SGU L/150	25.44	21.66	18.71	16.35	14.43	12.84	11.52	10.39	9.43	8.59	7.87	7.24	6.68	6.18	5.74	5.35	4.99	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	25.44	21.66	18.71	16.35	14.43	12.84	11.52	10.39	9.43	8.59	7.87	7.24	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	25.44	21.66	18.71	16.35	14.43	12.84	11.52	10.39	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S280 GD



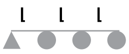
T130-v2			Negative																										
Number of spans:		**1**	**support: 60 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.20	1.14	1.09	1.05	1.00	0.97	0.93	0.90	0.87	0.84	0.81	0.78	0.76	0.74
	213.40	SGU L/150	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.20	1.14	1.09	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	219.01	SGU L/200	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.60	1.53	1.47	1.41	1.36	1.31	1.26	1.22	1.18	1.14	1.10	1.06	1.00
	251.62	SGU L/150	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.60	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.80	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.31	1.23	1.15	1.09
	270.29	SGU L/150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.66	2.52	2.40	2.28	2.18	2.08	2.00	1.92	1.84	1.78	1.71	1.62	1.52	1.42	1.33	1.25	1.18
	288.89	SGU L/150	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.66	2.52	2.40	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	5.99	5.33	4.79	4.36	3.99	3.69	3.42	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.11	1.96	1.83	1.71	1.60	1.50	1.41	1.33
	318.89	SGU L/150	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.41	6.59	5.93	5.39	4.94	4.56	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	4.05	3.85	3.66	3.50	3.34	3.13	2.89	2.67	2.47	2.30	2.14	2.00	1.88	1.76	1.66	1.56
	363.60	SGU L/150	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	9.62	8.55	7.69	6.99	6.41	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.99	5.66	5.36	5.09	4.85	4.44	4.06	3.73	3.44	3.18	2.95	2.74	2.55	2.39	2.23	2.10	1.97	1.86
	418.89	SGU L/150	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	12.74	11.32	10.19	9.26	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	7.08	6.69	6.33	5.94	5.39	4.91	4.49	4.13	3.80	3.52	3.26	3.03	2.83	2.64	2.47	2.32	2.18	2.06
	456.26	SGU L/150	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	15.04	13.37	12.03	10.94	10.03	9.26	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	15.04	13.37	12.03	10.94	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.51	10.79	10.16	9.14	8.20	7.40	6.71	6.12	5.60	5.14	4.74	4.38	4.06	3.78	3.52	3.29	3.08	2.89	2.72	2.56
	547.51	SGU L/150	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	21.59	19.19	17.27	15.70	14.39	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	21.59	19.19	17.27	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans:		**2**	**support: 60 - 60 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.18	3.67	3.21	2.84	2.54	2.28	2.07	1.89	1.73	1.59	1.47	1.36	1.26	1.18	1.10	1.03	0.97	0.91	0.86	0.81	0.77	0.73	0.69	0.66	0.63	0.60	0.57
	213.40	SGU L/150	4.18	3.67	3.21	2.84	2.54	2.28	2.07	1.89	1.73	1.59	1.47	1.36	1.26	1.18	1.10	1.03	0.97	0.91	0.86	0.81	0.77	0.73	0.69	0.66	0.63	0.60	0.57
	219.01	SGU L/200	4.18	3.67	3.21	2.84	2.54	2.28	2.07	1.89	1.73	1.59	1.47	1.36	1.26	1.18	1.10	1.03	0.97	0.91	0.86	0.81	0.77	0.73	0.69	0.66	0.63	0.60	0.57
		SGU L/300	4.18	3.67	3.21	2.84	2.54	2.28	2.07	1.89	1.73	1.59	1.47	1.36	1.26	1.18	1.10	1.03	0.97	0.91	0.86	0.81	0.77	0.73	0.67	0.61	0.55	0.50	0.46
0.70		SGN	5.72	4.93	4.31	3.80	3.39	3.05	2.75	2.51	2.29	2.10	1.94	1.80	1.67	1.55	1.45	1.36	1.27	1.20	1.13	1.06	1.01	0.95	0.90	0.86	0.82	0.78	0.74
	251.62	SGU L/150	5.72	4.93	4.31	3.80	3.39	3.05	2.75	2.51	2.29	2.10	1.94	1.80	1.67	1.55	1.45	1.36	1.27	1.20	1.13	1.06	1.01	0.95	0.90	0.86	0.82	0.78	0.74
	255.51	SGU L/200	5.72	4.93	4.31	3.80	3.39	3.05	2.75	2.51	2.29	2.10	1.94	1.80	1.67	1.55	1.45	1.36	1.27	1.20	1.13	1.06	1.01	0.95	0.90	0.86	0.82	0.78	0.74
		SGU L/300	5.72	4.93	4.31	3.80	3.39	3.05	2.75	2.51	2.29	2.10	1.94	1.80	1.67	1.55	1.45	1.36	1.27	1.20	1.13	1.06	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	6.55	5.64	4.92	4.34	3.87	3.47	3.13	2.84	2.60	2.38	2.19	2.03	1.88	1.75	1.63	1.53	1.43	1.34	1.27	1.19	1.13	1.07	1.01	0.96	0.91	0.87	0.83
	270.29	SGU L/150	6.55	5.64	4.92	4.34	3.87	3.47	3.13	2.84	2.60	2.38	2.19	2.03	1.88	1.75	1.63	1.53	1.43	1.34	1.27	1.19	1.13	1.07	1.01	0.96	0.91	0.87	0.83
	273.76	SGU L/200	6.55	5.64	4.92	4.34	3.87	3.47	3.13	2.84	2.60	2.38	2.19	2.03	1.88	1.75	1.63	1.53	1.43	1.34	1.27	1.19	1.13	1.07	1.01	0.96	0.91	0.87	0.83
		SGU L/300	6.55	5.64	4.92	4.34	3.87	3.47	3.13	2.84	2.60	2.38	2.19	2.03	1.88	1.75	1.63	1.53	1.43	1.34	1.27	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	7.44	6.39	5.57	4.90	4.36	3.91	3.52	3.20	2.92	2.67	2.46	2.27	2.11	1.96	1.83	1.71	1.60	1.50	1.41	1.33	1.26	1.19	1.13	1.07	1.02	0.97	0.92
	288.89	SGU L/150	7.44	6.39	5.57	4.90	4.36	3.91	3.52	3.20	2.92	2.67	2.46	2.27	2.11	1.96	1.83	1.71	1.60	1.50	1.41	1.33	1.26	1.19	1.13	1.07	1.02	0.97	0.92
	292.01	SGU L/200	7.44	6.39	5.57	4.90	4.36	3.91	3.52	3.20	2.92	2.67	2.46	2.27	2.11	1.96	1.83	1.71	1.60	1.50	1.41	1.33	1.26	1.19	1.13	1.07	1.02	0.97	0.92
		SGU L/300	7.44	6.39	5.57	4.90	4.36	3.91	3.52	3.20	2.92	2.67	2.46	2.27	2.11	1.96	1.83	1.71	1.60	1.50	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	8.89	7.62	6.63	5.83	5.17	4.63	4.17	3.78	3.44	3.15	2.90	2.67	2.47	2.30	2.14	2.00	1.87	1.75	1.65	1.55	1.47	1.39	1.31	1.25	1.18	1.12	1.07
	318.89	SGU L/150	8.89	7.62	6.63	5.83	5.17	4.63	4.17	3.78	3.44	3.15	2.90	2.67	2.47	2.30	2.14	2.00	1.87	1.75	1.65	1.55	1.47	1.39	1.31	1.25	1.18	1.12	1.07
	321.21	SGU L/200	8.89	7.62	6.63	5.83	5.17	4.63	4.17	3.78	3.44	3.15	2.90	2.67	2.47	2.30	2.14	2.00	1.87	1.75	1.65	1.55	1.47	1.39	1.31	1.25	1.18	1.11	1.01
		SGU L/300	8.89	7.62	6.63	5.83	5.17	4.63	4.17	3.78	3.44	3.15	2.90	2.67	2.47	2.30	2.14	2.00	1.87	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	11.07	9.47	8.21	7.21	6.38	5.70	5.13	4.64	4.22	3.86	3.54	3.27	3.02	2.80	2.61	2.43	2.27	2.13	2.00	1.88	1.78	1.68	1.59	1.51	1.43	1.36	1.29
	363.60	SGU L/150	11.07	9.47	8.21	7.21	6.38	5.70	5.13	4.64	4.22	3.86	3.54	3.27	3.02	2.80	2.61	2.43	2.27	2.13	2.00	1.88	1.78	1.68	1.59	1.51	1.43	1.36	1.29
	365.01	SGU L/200	11.07	9.47	8.21	7.21	6.38	5.70	5.13	4.64	4.22	3.86	3.54	3.27	3.02	2.80	2.61	2.43	2.27	2.13	2.00	1.88	1.78	1.68	1.59	1.51	1.38	1.26	1.15
		SGU L/300	11.07	9.47	8.21	7.21	6.38	5.70	5.13	4.64	4.22	3.86	3.54	3.27	3.02	2.80	2.61	2.43	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	14.00	11.94	10.34	9.05	8.00	7.13	6.40	5.79	5.26	4.80	4.40	4.05	3.74	3.47	3.22	3.00	2.80	2.63	2.46	2.32	2.18	2.06	1.95	1.85	1.75	1.66	1.58
	418.89	SGU L/150	14.00	11.94	10.34	9.05	8.00	7.13	6.40	5.79	5.26	4.80	4.40	4.05	3.74	3.47	3.22	3.00	2.80	2.63	2.46	2.32	2.18	2.06	1.95	1.85	1.75	1.66	1.58
	419.75	SGU L/200	14.00	11.94	10.34	9.05	8.00	7.13	6.40	5.79	5.26	4.80	4.40	4.05	3.74	3.47	3.22	3.00	2.80	2.63	2.46	2.32	2.18	2.06	1.93	1.75	1.59	1.45	1.33
		SGU L/300	14.00	11.94	10.34	9.05	8.00	7.13	6.40	5.79	5.26	4.80	4.40	4.05	3.74	3.47	3.22	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	16.07	13.69	11.83	10.35	9.14	8.14	7.30	6.59	5.98	5.45	4.99	4.59	4.24	3.93	3.65	3.40	3.17	2.97	2.78	2.62	2.46	2.33	2.20	2.08	1.97	1.87	1.78
	456.26	SGU L/150	16.07	13.69	11.83	10.35	9.14	8.14	7.30	6.59	5.98	5.45	4.99	4.59	4.24	3.93	3.65	3.40	3.17	2.97	2.78	2.62	2.46	2.33	2.20	2.08	1.97	1.87	1.78
	456.26	SGU L/200	16.07	13.69	11.83	10.35	9.14	8.14	7.30	6.59	5.98	5.45	4.99	4.59	4.24	3.93	3.65	3.40	3.17	2.97	2.78	2.62	2.46	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	16.07	13.69	11.83	10.35	9.14	8.14	7.30	6.59	5.98	5.45	4.99	4.59	4.24	3.93	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	21.64	18.38	15.83	13.81	12.16	10.80	9.67	8.71	7.88	7.18	6.57	6.03	5.56	5.14	4.77	4.43	4.13	3.87	3.62	3.40	3.20	3.02	2.85	2.69	2.55	2.42	2.30
	547.51	SGU L/150	21.64	18.38	15.83	13.81	12.16	10.80	9.67	8.71	7.88	7.18	6.57	6.03	5.56	5.14	4.77	4.43	4.13	3.87	3.62	3.40	3.20	3.02	2.85	2.69	2.55	2.42	2.30
	547.51	SGU L/200	21.64	18.38	15.83	13.81	12.16	10.80	9.67	8.71	7.88	7.18	6.57	6.03	5.56	5.14	4.77	4.43	4.13	3.87	3.62	3.40	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	21.64	18.38	15.83	13.81	12.16	10.80	9.67	8.71	7.88	7.18	6.57	6.03	5.56	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans:		**3**	**support: 60 - 60 - 60 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.73	1.61	1.49	1.39	1.30	1.22	1.15	1.08	1.02	0.97	0.92	0.87	0.83	0.79	0.75	0.71	0.68
	213.40	SGU L/150	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.73	1.61	1.49	1.39	1.30	1.22	1.15	1.08	1.02	0.97	0.92	0.87	0.83	0.79	0.75	0.71	0.68
	219.01	SGU L/200	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.73	1.61	1.49	1.39	1.30	1.22	1.15	1.08	1.02	0.97	0.92	0.86	0.78	0.71	0.65	0.59	0.54
		SGU L/300	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.73	1.61	1.49	1.39	1.30	1.16	1.02	0.90	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.70	2.49	2.29	2.13	1.98	1.84	1.72	1.61	1.52	1.43	1.34	1.27	1.20	1.14	1.08	1.03	0.98	0.93	0.89
	251.62	SGU L/150	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.70	2.49	2.29	2.13	1.98	1.84	1.72	1.61	1.52	1.43	1.34	1.27	1.20	1.14	1.08	1.03	0.98	0.92	0.84
	255.51	SGU L/200	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.70	2.49	2.29	2.13	1.98	1.84	1.72	1.61	1.52	1.43	1.34	1.26	1.13	1.02	0.92	0.83	0.76	0.69	0.63
		SGU L/300	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.70	2.49	2.29	2.13	1.98	1.78	1.55	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.36	3.07	2.82	2.60	2.41	2.23	2.08	1.94	1.82	1.71	1.61	1.51	1.43	1.35	1.28	1.21	1.15	1.10	1.05	1.00
	270.29	SGU L/150	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.36	3.07	2.82	2.60	2.41	2.23	2.08	1.94	1.82	1.71	1.61	1.51	1.43	1.35	1.28	1.21	1.15	1.08	0.99	0.90
	273.76	SGU L/200	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.36	3.07	2.82	2.60	2.41	2.23	2.08	1.94	1.82	1.71	1.61	1.51	1.35	1.21	1.09	0.99	0.90	0.81	0.74	0.68
		SGU L/300	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.36	3.07	2.82	2.60	2.41	2.21	1.91	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	7.49	6.66	5.99	5.45	4.99	4.60	4.16	3.78	3.45	3.17	2.92	2.70	2.51	2.33	2.18	2.04	1.91	1.80	1.69	1.60	1.51	1.43	1.36	1.29	1.22	1.17	1.11
	288.89	SGU L/150	7.49	6.66	5.99	5.45	4.99	4.60	4.16	3.78	3.45	3.17	2.92	2.70	2.51	2.33	2.18	2.04	1.91	1.80	1.69	1.60	1.51	1.43	1.36	1.27	1.15	1.05	0.96
	292.01	SGU L/200	7.49	6.66	5.99	5.45	4.99	4.60	4.16	3.78	3.45	3.17	2.92	2.70	2.51	2.33	2.18	2.04	1.91	1.80	1.61	1.44	1.30	1.17	1.05	0.96	0.87	0.79	0.73
		SGU L/300	7.49	6.66	5.99	5.45	4.99	4.60	4.16	3.78	3.45	3.17	2.92	2.70	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.27	8.24	7.41	6.74	6.09	5.46	4.92	4.47	4.08	3.74	3.44	3.18	2.95	2.74	2.56	2.39	2.24	2.10	1.98	1.87	1.76	1.67	1.58	1.50	1.43	1.36	1.29
	318.89	SGU L/150	9.27	8.24	7.41	6.74	6.09	5.46	4.92	4.47	4.08	3.74	3.44	3.18	2.95	2.74	2.56	2.39	2.24	2.10	1.98	1.87	1.76	1.67	1.54	1.40	1.27	1.16	1.06
	321.21	SGU L/200	9.27	8.24	7.41	6.74	6.09	5.46	4.92	4.47	4.08	3.74	3.44	3.18	2.95	2.74	2.56	2.39	2.24	2.00	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.27	8.24	7.41	6.74	6.09	5.46	4.92	4.47	4.08	3.74	3.44	3.04	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.02	10.68	9.62	8.49	7.53	6.74	6.07	5.50	5.01	4.59	4.22	3.89	3.61	3.35	3.12	2.91	2.73	2.56	2.41	2.27	2.14	2.02	1.92	1.82	1.73	1.64	1.56
	363.60	SGU L/150	12.02	10.68	9.62	8.49	7.53	6.74	6.07	5.50	5.01	4.59	4.22	3.89	3.61	3.35	3.12	2.91	2.73	2.56	2.41	2.27	2.14	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.02	10.68	9.62	8.49	7.53	6.74	6.07	5.50	5.01	4.59	4.22	3.89	3.61	3.35	3.12	2.91	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.02	10.68	9.62	8.49	7.53	6.74	6.07	5.50	5.01	4.59	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	15.92	14.03	12.17	10.68	9.46	8.45	7.60	6.88	6.26	5.72	5.25	4.84	4.48	4.15	3.86	3.60	3.37	3.16	2.97	2.79	2.63	2.49	2.36	2.23	2.12	2.01	1.92
	418.89	SGU L/150	15.92	14.03	12.17	10.68	9.46	8.45	7.60	6.88	6.26	5.72	5.25	4.84	4.48	4.15	3.86	3.60	3.37	3.16	2.97	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	15.92	14.03	12.17	10.68	9.46	8.45	7.60	6.88	6.26	5.72	5.25	4.84	4.48	4.15	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	15.92	14.03	12.17	10.68	9.46	8.45	7.60	6.88	6.26	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	18.80	16.11	13.96	12.23	10.82	9.65	8.67	7.84	7.13	6.51	5.97	5.50	5.08	4.71	4.38	4.08	3.82	3.58	3.36	3.16	2.98	2.81	2.66	2.52	2.39	2.27	2.16
	456.26	SGU L/150	18.80	16.11	13.96	12.23	10.82	9.65	8.67	7.84	7.13	6.51	5.97	5.50	5.08	4.71	4.38	4.08	3.82	3.58	3.36	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	18.80	16.11	13.96	12.23	10.82	9.65	8.67	7.84	7.13	6.51	5.97	5.50	5.08	4.71	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	18.80	16.11	13.96	12.23	10.82	9.65	8.67	7.84	7.13	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	25.46	21.68	18.72	16.36	14.44	12.85	11.52	10.39	9.42	8.59	7.87	7.24	6.68	6.18	5.74	5.35	4.99	4.67	4.38	4.12	3.88	3.66	3.46	3.27	3.10	2.94	2.80
	547.51	SGU L/150	25.46	21.68	18.72	16.36	14.44	12.85	11.52	10.39	9.42	8.59	7.87	7.24	6.68	6.18	5.74	5.35	4.99	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	25.46	21.68	18.72	16.36	14.44	12.85	11.52	10.39	9.42	8.59	7.87	7.24	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	25.46	21.68	18.72	16.36	14.44	12.85	11.52	10.39	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91



T130

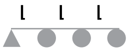
S280 GD

T130-v2			Positive																										
Number of spans:		1	support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.16	1.11	1.06	1.02	0.99	0.95	0.92	0.89	0.86	0.83	0.81	0.78
	204.21	SGU L/150	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.14	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.68	1.61	1.54	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.13	1.07	1.00
	245.24	SGU L/150	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	2.03	1.94	1.85	1.78	1.71	1.64	1.58	1.52	1.47	1.41	1.32	1.24	1.16	1.09
	265.30	SGU L/150	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.32	2.22	2.12	2.03	1.95	1.88	1.81	1.74	1.64	1.53	1.43	1.34	1.26	1.19
	286.60	SGU L/150	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.10	5.42	4.88	4.43	4.06	3.75	3.48	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.12	1.97	1.84	1.72	1.61	1.51	1.42	1.34
	316.73	SGU L/150	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.41	6.59	5.93	5.39	4.94	4.56	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	4.05	3.85	3.66	3.50	3.34	3.14	2.89	2.68	2.48	2.31	2.15	2.01	1.88	1.77	1.66	1.57
	360.77	SGU L/150	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	9.62	8.55	7.69	6.99	6.41	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.99	5.66	5.36	5.09	4.85	4.43	4.06	3.73	3.43	3.17	2.94	2.74	2.55	2.38	2.23	2.10	1.97	1.86
	417.99	SGU L/150	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	12.74	11.32	10.19	9.26	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	7.08	6.69	6.33	5.93	5.38	4.90	4.49	4.12	3.80	3.51	3.26	3.03	2.82	2.64	2.47	2.32	2.18	2.05
	456.26	SGU L/150	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	15.04	13.37	12.03	10.94	10.03	9.26	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	15.04	13.37	12.03	10.94	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.51	10.79	10.16	9.14	8.20	7.40	6.71	6.12	5.60	5.14	4.74	4.38	4.06	3.78	3.52	3.29	3.08	2.89	2.72	2.56
	547.51	SGU L/150	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	21.59	19.19	17.27	15.70	14.39	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	21.59	19.19	17.27	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans:		2	support: 60 - 80 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.44	3.94	3.55	3.20	2.84	2.55	2.31	2.10	1.91	1.76	1.62	1.50	1.39	1.29	1.20	1.13	1.06	0.99	0.93	0.88	0.83	0.79	0.75	0.71	0.68	0.64	0.61
	204.21	SGU L/150	4.44	3.94	3.55	3.20	2.84	2.55	2.31	2.10	1.91	1.76	1.62	1.50	1.39	1.29	1.20	1.13	1.06	0.99	0.93	0.88	0.83	0.79	0.75	0.71	0.68	0.64	0.61
	219.01	SGU L/200	4.44	3.94	3.55	3.20	2.84	2.55	2.31	2.10	1.91	1.76	1.62	1.50	1.39	1.29	1.20	1.13	1.06	0.99	0.93	0.88	0.83	0.79	0.75	0.71	0.68	0.64	0.61
		SGU L/300	4.44	3.94	3.55	3.20	2.84	2.55	2.31	2.10	1.91	1.76	1.62	1.50	1.39	1.29	1.20	1.13	1.06	0.99	0.93	0.88	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.15	5.47	4.77	4.20	3.73	3.34	3.01	2.73	2.49	2.28	2.10	1.94	1.80	1.67	1.56	1.45	1.36	1.28	1.20	1.13	1.07	1.01	0.96	0.91	0.86	0.82	0.78
	245.24	SGU L/150	6.15	5.47	4.77	4.20	3.73	3.34	3.01	2.73	2.49	2.28	2.10	1.94	1.80	1.67	1.56	1.45	1.36	1.28	1.20	1.13	1.07	1.01	0.96	0.91	0.86	0.82	0.78
	255.51	SGU L/200	6.15	5.47	4.77	4.20	3.73	3.34	3.01	2.73	2.49	2.28	2.10	1.94	1.80	1.67	1.56	1.45	1.36	1.28	1.20	1.13	1.07	1.01	0.96	0.91	0.86	0.82	0.78
		SGU L/300	6.15	5.47	4.77	4.20	3.73	3.34	3.01	2.73	2.49	2.28	2.10	1.94	1.80	1.67	1.56	1.45	1.36	1.28	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.11	6.19	5.38	4.73	4.20	3.76	3.38	3.07	2.80	2.56	2.35	2.17	2.01	1.87	1.74	1.62	1.52	1.43	1.34	1.26	1.19	1.13	1.07	1.01	0.96	0.91	0.87
	265.30	SGU L/150	7.11	6.19	5.38	4.73	4.20	3.76	3.38	3.07	2.80	2.56	2.35	2.17	2.01	1.87	1.74	1.62	1.52	1.43	1.34	1.26	1.19	1.13	1.07	1.01	0.96	0.91	0.87
	273.76	SGU L/200	7.11	6.19	5.38	4.73	4.20	3.76	3.38	3.07	2.80	2.56	2.35	2.17	2.01	1.87	1.74	1.62	1.52	1.43	1.34	1.26	1.19	1.13	1.07	1.01	0.96	0.91	0.86
		SGU L/300	7.11	6.19	5.38	4.73	4.20	3.76	3.38	3.07	2.80	2.56	2.35	2.17	2.01	1.87	1.74	1.62	1.52	1.43	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.08	6.92	6.01	5.28	4.68	4.18	3.77	3.41	3.11	2.84	2.61	2.41	2.23	2.07	1.92	1.80	1.68	1.58	1.48	1.40	1.32	1.24	1.18	1.12	1.06	1.01	0.96
	286.60	SGU L/150	8.08	6.92	6.01	5.28	4.68	4.18	3.77	3.41	3.11	2.84	2.61	2.41	2.23	2.07	1.92	1.80	1.68	1.58	1.48	1.40	1.32	1.24	1.18	1.12	1.06	1.01	0.96
	292.01	SGU L/200	8.08	6.92	6.01	5.28	4.68	4.18	3.77	3.41	3.11	2.84	2.61	2.41	2.23	2.07	1.92	1.80	1.68	1.58	1.48	1.40	1.32	1.24	1.18	1.12	1.06	1.01	0.92
		SGU L/300	8.08	6.92	6.01	5.28	4.68	4.18	3.77	3.41	3.11	2.84	2.61	2.41	2.23	2.07	1.92	1.80	1.68	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	9.52	8.14	7.06	6.19	5.48	4.90	4.40	3.98	3.62	3.31	3.04	2.80	2.59	2.40	2.23	2.08	1.95	1.83	1.71	1.61	1.52	1.44	1.36	1.29	1.22	1.16	1.11
	316.73	SGU L/150	9.52	8.14	7.06	6.19	5.48	4.90	4.40	3.98	3.62	3.31	3.04	2.80	2.59	2.40	2.23	2.08	1.95	1.83	1.71	1.61	1.52	1.44	1.36	1.29	1.22	1.16	1.11
	321.21	SGU L/200	9.52	8.14	7.06	6.19	5.48	4.90	4.40	3.98	3.62	3.31	3.04	2.80	2.59	2.40	2.23	2.08	1.95	1.83	1.71	1.61	1.52	1.44	1.36	1.29	1.22	1.11	1.01
		SGU L/300	9.52	8.14	7.06	6.19	5.48	4.90	4.40	3.98	3.62	3.31	3.04	2.80	2.59	2.40	2.23	2.08	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	11.82	10.08	8.73	7.64	6.75	6.02	5.40	4.88	4.44	4.05	3.71	3.42	3.16	2.92	2.72	2.53	2.36	2.21	2.08	1.95	1.84	1.74	1.64	1.56	1.48	1.40	1.33
	360.77	SGU L/150	11.82	10.08	8.73	7.64	6.75	6.02	5.40	4.88	4.44	4.05	3.71	3.42	3.16	2.92	2.72	2.53	2.36	2.21	2.08	1.95	1.84	1.74	1.64	1.56	1.48	1.40	1.33
	365.01	SGU L/200	11.82	10.08	8.73	7.64	6.75	6.02	5.40	4.88	4.44	4.05	3.71	3.42	3.16	2.92	2.72	2.53	2.36	2.21	2.08	1.95	1.84	1.74	1.64	1.52	1.38	1.26	1.15
		SGU L/300	11.82	10.08	8.73	7.64	6.75	6.02	5.40	4.88	4.44	4.05	3.71	3.42	3.16	2.92	2.72	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	14.90	12.69	10.95	9.57	8.44	7.51	6.73	6.07	5.51	5.02	4.60	4.23	3.90	3.61	3.35	3.12	2.91	2.73	2.56	2.40	2.26	2.13	2.02	1.91	1.81	1.72	1.63
	417.99	SGU L/150	14.90	12.69	10.95	9.57	8.44	7.51	6.73	6.07	5.51	5.02	4.60	4.23	3.90	3.61	3.35	3.12	2.91	2.73	2.56	2.40	2.26	2.13	2.02	1.91	1.81	1.72	1.63
	419.75	SGU L/200	14.90	12.69	10.95	9.57	8.44	7.51	6.73	6.07	5.51	5.02	4.60	4.23	3.90	3.61	3.35	3.12	2.91	2.73	2.56	2.40	2.26	2.13	1.93	1.75	1.59	1.45	1.33
		SGU L/300	14.90	12.69	10.95	9.57	8.44	7.51	6.73	6.07	5.51	5.02	4.60	4.23	3.90	3.61	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	17.08	14.52	12.52	10.93	9.63	8.56	7.66	6.91	6.25	5.70	5.22	4.79	4.42	4.09	3.79	3.53	3.29	3.08	2.88	2.71	2.55	2.40	2.27	2.15	2.04	1.93	1.84
	456.26	SGU L/150	17.08	14.52	12.52	10.93	9.63	8.56	7.66	6.91	6.25	5.70	5.22	4.79	4.42	4.09	3.79	3.53	3.29	3.08	2.88	2.71	2.55	2.40	2.27	2.15	2.04	1.93	1.84
	456.26	SGU L/200	17.08	14.52	12.52	10.93	9.63	8.56	7.66	6.91	6.25	5.70	5.22	4.79	4.42	4.09	3.79	3.53	3.29	3.08	2.88	2.71	2.55	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	17.08	14.52	12.52	10.93	9.63	8.56	7.66	6.91	6.25	5.70	5.22	4.79	4.42	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	22.91	19.40	16.68	14.51	12.76	11.31	10.11	9.09	8.21	7.47	6.83	6.26	5.76	5.32	4.93	4.58	4.27	3.99	3.74	3.51	3.30	3.11	2.93	2.77	2.62	2.49	2.36
	547.51	SGU L/150	22.91	19.40	16.68	14.51	12.76	11.31	10.11	9.09	8.21	7.47	6.83	6.26	5.76	5.32	4.93	4.58	4.27	3.99	3.74	3.51	3.30	3.11	2.93	2.77	2.62	2.49	2.31
	547.51	SGU L/200	22.91	19.40	16.68	14.51	12.76	11.31	10.11	9.09	8.21	7.47	6.83	6.26	5.76	5.32	4.93	4.58	4.27	3.99	3.74	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	22.91	19.40	16.68	14.51	12.76	11.31	10.11	9.09	8.21	7.47	6.83	6.26	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans:		3	support: 60 - 80 - 80 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.65	1.53	1.43	1.34	1.26	1.18	1.12	1.05	1.00	0.95	0.90	0.85	0.81	0.77	0.74
	204.21	SGU L/150	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.65	1.53	1.43	1.34	1.26	1.18	1.12	1.05	1.00	0.95	0.90	0.85	0.81	0.76	0.70
	219.01	SGU L/200	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.65	1.53	1.43	1.34	1.26	1.18	1.12	1.04	0.94	0.85	0.77	0.70	0.64	0.59	0.54
		SGU L/300	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.65	1.48	1.30	1.14	1.01	0.90	0.80	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.49	2.31	2.14	1.99	1.86	1.74	1.63	1.53	1.44	1.36	1.28	1.22	1.15	1.09	1.04	0.99	0.94
	245.24	SGU L/150	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.49	2.31	2.14	1.99	1.86	1.74	1.63	1.53	1.44	1.36	1.28	1.22	1.15	1.09	1.00	0.92	0.84
	255.51	SGU L/200	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.49	2.31	2.14	1.99	1.86	1.74	1.63	1.53	1.40	1.25	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.49	2.31	2.05	1.78	1.55	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.31	3.04	2.80	2.58	2.40	2.23	2.08	1.94	1.82	1.71	1.61	1.52	1.43	1.35	1.28	1.22	1.16	1.10	1.05
	265.30	SGU L/150	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.31	3.04	2.80	2.58	2.40	2.23	2.08	1.94	1.82	1.71	1.61	1.52	1.43	1.35	1.28	1.18	1.08	0.99	0.90
	273.76	SGU L/200	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.31	3.04	2.80	2.58	2.40	2.23	2.08	1.94	1.82	1.69	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.31	3.04	2.80	2.57	2.21	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.04	3.69	3.38	3.11	2.87	2.66	2.47	2.30	2.15	2.01	1.89	1.78	1.68	1.58	1.50	1.42	1.35	1.28	1.22	1.16
	286.60	SGU L/150	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.04	3.69	3.38	3.11	2.87	2.66	2.47	2.30	2.15	2.01	1.89	1.78	1.68	1.58	1.50	1.40	1.27	1.15	1.05	0.97
	292.01	SGU L/200	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.04	3.69	3.38	3.11	2.87	2.66	2.47	2.30	2.15	2.01	1.81	1.61	1.44	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.04	3.69	3.38	3.11	2.75	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.27	8.24	7.41	6.74	6.18	5.70	5.21	4.72	4.30	3.94	3.62	3.34	3.09	2.87	2.67	2.50	2.34	2.19	2.06	1.94	1.83	1.73	1.64	1.56	1.48	1.40	1.34
	316.73	SGU L/150	9.27	8.24	7.41	6.74	6.18	5.70	5.21	4.72	4.30	3.94	3.62	3.34	3.09	2.87	2.67	2.50	2.34	2.19	2.06	1.94	1.83	1.71	1.54	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.27	8.24	7.41	6.74	6.18	5.70	5.21	4.72	4.30	3.94	3.62	3.34	3.09	2.87	2.67	2.50	2.26	2.00	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.27	8.24	7.41	6.74	6.18	5.70	5.21	4.72	4.30	3.94	3.57	3.04	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.02	10.68	9.62	8.74	7.99	7.13	6.41	5.80	5.28	4.83	4.43	4.09	3.78	3.50	3.26	3.04	2.84	2.66	2.50	2.36	2.22	2.10	1.99	1.88	1.79	1.70	1.62
	360.77	SGU L/150	12.02	10.68	9.62	8.74	7.99	7.13	6.41	5.80	5.28	4.83	4.43	4.09	3.78	3.50	3.26	3.04	2.84	2.66	2.50	2.36	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.02	10.68	9.62	8.74	7.99	7.13	6.41	5.80	5.28	4.83	4.43	4.09	3.78	3.50	3.26	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.02	10.68	9.62	8.74	7.99	7.13	6.41	5.80	5.28	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	15.92	14.15	12.74	11.32	10.01	8.92	8.01	7.24	6.57	6.00	5.50	5.07	4.68	4.34	4.03	3.76	3.51	3.29	3.09	2.90	2.73	2.58	2.44	2.31	2.19	2.08	1.98
	417.99	SGU L/150	15.92	14.15	12.74	11.32	10.01	8.92	8.01	7.24	6.57	6.00	5.50	5.07	4.68	4.34	4.03	3.76	3.51	3.29	3.09	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	15.92	14.15	12.74	11.32	10.01	8.92	8.01	7.24	6.57	6.00	5.50	5.07	4.68	4.34	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	15.92	14.15	12.74	11.32	10.01	8.92	8.01	7.24	6.57	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	18.80	16.71	14.80	12.94	11.43	10.18	9.13	8.24	7.48	6.82	6.25	5.75	5.31	4.92	4.56	4.25	3.97	3.72	3.49	3.28	3.09	2.91	2.75	2.61	2.47	2.35	2.23
	456.26	SGU L/150	18.80	16.71	14.80	12.94	11.43	10.18	9.13	8.24	7.48	6.82	6.25	5.75	5.31	4.92	4.56	4.25	3.97	3.72	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	18.80	16.71	14.80	12.94	11.43	10.18	9.13	8.24	7.48	6.82	6.25	5.75	5.31	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	18.80	16.71	14.80	12.94	11.43	10.18	9.13	8.24	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	26.98	22.94	19.77	17.24	15.18	13.49	12.07	10.87	9.85	8.96	8.20	7.53	6.94	6.42	5.96	5.54	5.17	4.83	4.53	4.25	4.00	3.77	3.56	3.37	3.19	3.03	2.88
	547.51	SGU L/150	26.98	22.94	19.77	17.24	15.18	13.49	12.07	10.87	9.85	8.96	8.20	7.53	6.94	6.42	5.96	5.54	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	26.98	22.94	19.77	17.24	15.18	13.49	12.07	10.87	9.85	8.96	8.20	7.53	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	26.98	22.94	19.77	17.24	15.18	13.49	12.07	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91



T130

S280 GD



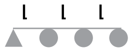
T130-v2			Negative																										
Number of spans:		**1**	**support: 60 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.20	1.14	1.09	1.05	1.00	0.97	0.93	0.90	0.87	0.84	0.81	0.78	0.76	0.74
	213.40	SGU L/150	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.20	1.14	1.09	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	219.01	SGU L/200	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.60	1.53	1.47	1.41	1.36	1.31	1.26	1.22	1.18	1.14	1.10	1.06	1.00
	251.62	SGU L/150	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.60	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.80	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.31	1.23	1.15	1.09
	270.29	SGU L/150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.66	2.52	2.40	2.28	2.18	2.08	2.00	1.92	1.84	1.78	1.71	1.62	1.52	1.42	1.33	1.25	1.18
	288.89	SGU L/150	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.66	2.52	2.40	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	5.99	5.33	4.79	4.36	3.99	3.69	3.42	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.11	1.96	1.83	1.71	1.60	1.50	1.41	1.33
	318.89	SGU L/150	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.41	6.59	5.93	5.39	4.94	4.56	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	4.05	3.85	3.66	3.50	3.34	3.13	2.89	2.67	2.47	2.30	2.14	2.00	1.88	1.76	1.66	1.56
	363.60	SGU L/150	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	9.62	8.55	7.69	6.99	6.41	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.99	5.66	5.36	5.09	4.85	4.44	4.06	3.73	3.44	3.18	2.95	2.74	2.55	2.39	2.23	2.10	1.97	1.86
	418.89	SGU L/150	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	12.74	11.32	10.19	9.26	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	7.08	6.69	6.33	5.94	5.39	4.91	4.49	4.13	3.80	3.52	3.26	3.03	2.83	2.64	2.47	2.32	2.18	2.06
	456.26	SGU L/150	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	15.04	13.37	12.03	10.94	10.03	9.26	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	15.04	13.37	12.03	10.94	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.51	10.79	10.16	9.14	8.20	7.40	6.71	6.12	5.60	5.14	4.74	4.38	4.06	3.78	3.52	3.29	3.08	2.89	2.72	2.56
	547.51	SGU L/150	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	21.59	19.19	17.27	15.70	14.39	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	21.59	19.19	17.27	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans:		**2**	**support: 60 - 80 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.18	3.72	3.35	3.04	2.73	2.45	2.22	2.02	1.84	1.69	1.56	1.44	1.34	1.25	1.16	1.09	1.02	0.96	0.91	0.85	0.81	0.77	0.73	0.69	0.66	0.62	0.60
	213.40	SGU L/150	4.18	3.72	3.35	3.04	2.73	2.45	2.22	2.02	1.84	1.69	1.56	1.44	1.34	1.25	1.16	1.09	1.02	0.96	0.91	0.85	0.81	0.77	0.73	0.69	0.66	0.62	0.60
	219.01	SGU L/200	4.18	3.72	3.35	3.04	2.73	2.45	2.22	2.02	1.84	1.69	1.56	1.44	1.34	1.25	1.16	1.09	1.02	0.96	0.91	0.85	0.81	0.77	0.73	0.69	0.66	0.62	0.60
		SGU L/300	4.18	3.72	3.35	3.04	2.73	2.45	2.22	2.02	1.84	1.69	1.56	1.44	1.34	1.25	1.16	1.09	1.02	0.96	0.91	0.85	0.81	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	5.88	5.23	4.63	4.08	3.63	3.26	2.94	2.67	2.44	2.23	2.06	1.90	1.76	1.64	1.53	1.43	1.34	1.26	1.18	1.12	1.05	1.00	0.95	0.90	0.85	0.81	0.77
	251.62	SGU L/150	5.88	5.23	4.63	4.08	3.63	3.26	2.94	2.67	2.44	2.23	2.06	1.90	1.76	1.64	1.53	1.43	1.34	1.26	1.18	1.12	1.05	1.00	0.95	0.90	0.85	0.81	0.77
	255.51	SGU L/200	5.88	5.23	4.63	4.08	3.63	3.26	2.94	2.67	2.44	2.23	2.06	1.90	1.76	1.64	1.53	1.43	1.34	1.26	1.18	1.12	1.05	1.00	0.95	0.90	0.85	0.81	0.77
		SGU L/300	5.88	5.23	4.63	4.08	3.63	3.26	2.94	2.67	2.44	2.23	2.06	1.90	1.76	1.64	1.53	1.43	1.34	1.26	1.18	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	6.88	6.07	5.29	4.65	4.13	3.70	3.33	3.02	2.76	2.52	2.32	2.14	1.98	1.84	1.72	1.60	1.50	1.41	1.33	1.25	1.18	1.12	1.06	1.00	0.95	0.91	0.86
	270.29	SGU L/150	6.88	6.07	5.29	4.65	4.13	3.70	3.33	3.02	2.76	2.52	2.32	2.14	1.98	1.84	1.72	1.60	1.50	1.41	1.33	1.25	1.18	1.12	1.06	1.00	0.95	0.91	0.86
	273.76	SGU L/200	6.88	6.07	5.29	4.65	4.13	3.70	3.33	3.02	2.76	2.52	2.32	2.14	1.98	1.84	1.72	1.60	1.50	1.41	1.33	1.25	1.18	1.12	1.06	1.00	0.95	0.91	0.86
		SGU L/300	6.88	6.07	5.29	4.65	4.13	3.70	3.33	3.02	2.76	2.52	2.32	2.14	1.98	1.84	1.72	1.60	1.50	1.41	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	7.99	6.86	5.97	5.24	4.65	4.16	3.75	3.39	3.09	2.83	2.60	2.40	2.22	2.06	1.92	1.79	1.68	1.57	1.48	1.39	1.31	1.24	1.18	1.12	1.06	1.01	0.96
	288.89	SGU L/150	7.99	6.86	5.97	5.24	4.65	4.16	3.75	3.39	3.09	2.83	2.60	2.40	2.22	2.06	1.92	1.79	1.68	1.57	1.48	1.39	1.31	1.24	1.18	1.12	1.06	1.01	0.96
	292.01	SGU L/200	7.99	6.86	5.97	5.24	4.65	4.16	3.75	3.39	3.09	2.83	2.60	2.40	2.22	2.06	1.92	1.79	1.68	1.57	1.48	1.39	1.31	1.24	1.18	1.12	1.06	1.01	0.92
		SGU L/300	7.99	6.86	5.97	5.24	4.65	4.16	3.75	3.39	3.09	2.83	2.60	2.40	2.22	2.06	1.92	1.79	1.68	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	9.55	8.17	7.08	6.21	5.50	4.91	4.42	3.99	3.63	3.32	3.05	2.81	2.60	2.41	2.24	2.09	1.95	1.83	1.72	1.62	1.53	1.44	1.36	1.29	1.23	1.17	1.11
	318.89	SGU L/150	9.55	8.17	7.08	6.21	5.50	4.91	4.42	3.99	3.63	3.32	3.05	2.81	2.60	2.41	2.24	2.09	1.95	1.83	1.72	1.62	1.53	1.44	1.36	1.29	1.23	1.17	1.11
	321.21	SGU L/200	9.55	8.17	7.08	6.21	5.50	4.91	4.42	3.99	3.63	3.32	3.05	2.81	2.60	2.41	2.24	2.09	1.95	1.83	1.72	1.62	1.53	1.44	1.36	1.29	1.22	1.11	1.01
		SGU L/300	9.55	8.17	7.08	6.21	5.50	4.91	4.42	3.99	3.63	3.32	3.05	2.81	2.60	2.41	2.24	2.09	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	11.84	10.11	8.74	7.66	6.77	6.03	5.41	4.89	4.44	4.06	3.72	3.42	3.16	2.93	2.72	2.54	2.37	2.22	2.08	1.96	1.84	1.74	1.65	1.56	1.48	1.40	1.34
	363.60	SGU L/150	11.84	10.11	8.74	7.66	6.77	6.03	5.41	4.89	4.44	4.06	3.72	3.42	3.16	2.93	2.72	2.54	2.37	2.22	2.08	1.96	1.84	1.74	1.65	1.56	1.48	1.40	1.34
	365.01	SGU L/200	11.84	10.11	8.74	7.66	6.77	6.03	5.41	4.89	4.44	4.06	3.72	3.42	3.16	2.93	2.72	2.54	2.37	2.22	2.08	1.96	1.84	1.74	1.65	1.52	1.38	1.26	1.15
		SGU L/300	11.84	10.11	8.74	7.66	6.77	6.03	5.41	4.89	4.44	4.06	3.72	3.42	3.16	2.93	2.72	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	14.93	12.70	10.97	9.58	8.45	7.52	6.74	6.08	5.51	5.03	4.60	4.23	3.90	3.61	3.35	3.12	2.91	2.73	2.56	2.40	2.26	2.13	2.02	1.91	1.81	1.72	1.63
	418.89	SGU L/150	14.93	12.70	10.97	9.58	8.45	7.52	6.74	6.08	5.51	5.03	4.60	4.23	3.90	3.61	3.35	3.12	2.91	2.73	2.56	2.40	2.26	2.13	2.02	1.91	1.81	1.72	1.63
	419.75	SGU L/200	14.93	12.70	10.97	9.58	8.45	7.52	6.74	6.08	5.51	5.03	4.60	4.23	3.90	3.61	3.35	3.12	2.91	2.73	2.56	2.40	2.26	2.13	1.93	1.75	1.59	1.45	1.33
		SGU L/300	14.93	12.70	10.97	9.58	8.45	7.52	6.74	6.08	5.51	5.03	4.60	4.23	3.90	3.61	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	17.10	14.53	12.53	10.93	9.63	8.56	7.67	6.91	6.26	5.70	5.21	4.79	4.42	4.08	3.79	3.52	3.29	3.07	2.88	2.71	2.55	2.40	2.27	2.15	2.03	1.93	1.83
	456.26	SGU L/150	17.10	14.53	12.53	10.93	9.63	8.56	7.67	6.91	6.26	5.70	5.21	4.79	4.42	4.08	3.79	3.52	3.29	3.07	2.88	2.71	2.55	2.40	2.27	2.15	2.03	1.93	1.83
	456.26	SGU L/200	17.10	14.53	12.53	10.93	9.63	8.56	7.67	6.91	6.26	5.70	5.21	4.79	4.42	4.08	3.79	3.52	3.29	3.07	2.88	2.71	2.55	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	17.10	14.53	12.53	10.93	9.63	8.56	7.67	6.91	6.26	5.70	5.21	4.79	4.42	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	22.92	19.42	16.69	14.52	12.76	11.32	10.11	9.09	8.22	7.47	6.83	6.26	5.76	5.32	4.93	4.58	4.27	3.99	3.74	3.51	3.30	3.11	2.93	2.77	2.62	2.49	2.36
	547.51	SGU L/150	22.92	19.42	16.69	14.52	12.76	11.32	10.11	9.09	8.22	7.47	6.83	6.26	5.76	5.32	4.93	4.58	4.27	3.99	3.74	3.51	3.30	3.11	2.93	2.77	2.62	2.49	2.31
	547.51	SGU L/200	22.92	19.42	16.69	14.52	12.76	11.32	10.11	9.09	8.22	7.47	6.83	6.26	5.76	5.32	4.93	4.58	4.27	3.99	3.74	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	22.92	19.42	16.69	14.52	12.76	11.32	10.11	9.09	8.22	7.47	6.83	6.26	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans:		**3**	**support: 60 - 80 - 80 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.48	1.38	1.30	1.22	1.15	1.08	1.02	0.97	0.92	0.87	0.83	0.79	0.75	0.72
	213.40	SGU L/150	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.48	1.38	1.30	1.22	1.15	1.08	1.02	0.97	0.92	0.87	0.83	0.79	0.75	0.72
	219.01	SGU L/200	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.48	1.38	1.30	1.22	1.15	1.08	1.02	0.96	0.87	0.78	0.71	0.65	0.59	0.54
		SGU L/300	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.48	1.32	1.16	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.44	2.26	2.10	1.95	1.82	1.70	1.60	1.50	1.42	1.34	1.26	1.20	1.13	1.08	1.03	0.98	0.93
	251.62	SGU L/150	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.44	2.26	2.10	1.95	1.82	1.70	1.60	1.50	1.42	1.34	1.26	1.20	1.13	1.08	1.01	0.92	0.84
	255.51	SGU L/200	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.44	2.26	2.10	1.95	1.82	1.70	1.60	1.50	1.41	1.26	1.13	1.02	0.92	0.83	0.76	0.69	0.63
		SGU L/300	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.44	2.26	2.06	1.78	1.55	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	2.99	2.76	2.55	2.36	2.20	2.05	1.92	1.80	1.69	1.59	1.50	1.42	1.34	1.27	1.21	1.15	1.09	1.04
	270.29	SGU L/150	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	2.99	2.76	2.55	2.36	2.20	2.05	1.92	1.80	1.69	1.59	1.50	1.42	1.34	1.27	1.19	1.08	0.99	0.90
	273.76	SGU L/200	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	2.99	2.76	2.55	2.36	2.20	2.05	1.92	1.80	1.69	1.51	1.35	1.21	1.09	0.99	0.90	0.81	0.74	0.68
		SGU L/300	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	2.99	2.76	2.55	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.66	3.36	3.09	2.86	2.65	2.46	2.29	2.14	2.01	1.89	1.77	1.67	1.58	1.49	1.42	1.34	1.28	1.21	1.16
	288.89	SGU L/150	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.66	3.36	3.09	2.86	2.65	2.46	2.29	2.14	2.01	1.89	1.77	1.67	1.58	1.49	1.40	1.27	1.16	1.05	0.97
	292.01	SGU L/200	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.66	3.36	3.09	2.86	2.65	2.46	2.29	2.14	2.01	1.82	1.62	1.44	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.66	3.36	3.09	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.27	8.24	7.41	6.74	6.18	5.70	5.23	4.74	4.32	3.95	3.63	3.35	3.10	2.88	2.68	2.51	2.34	2.20	2.07	1.95	1.84	1.74	1.65	1.56	1.48	1.41	1.34
	318.89	SGU L/150	9.27	8.24	7.41	6.74	6.18	5.70	5.23	4.74	4.32	3.95	3.63	3.35	3.10	2.88	2.68	2.51	2.34	2.20	2.07	1.95	1.84	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.27	8.24	7.41	6.74	6.18	5.70	5.23	4.74	4.32	3.95	3.63	3.35	3.10	2.88	2.68	2.51	2.26	2.00	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.27	8.24	7.41	6.74	6.18	5.70	5.23	4.74	4.32	3.95	3.57	3.04	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.02	10.68	9.62	8.74	8.00	7.15	6.43	5.81	5.29	4.84	4.44	4.09	3.78	3.51	3.26	3.05	2.85	2.67	2.51	2.36	2.23	2.10	1.99	1.89	1.79	1.70	1.62
	363.60	SGU L/150	12.02	10.68	9.62	8.74	8.00	7.15	6.43	5.81	5.29	4.84	4.44	4.09	3.78	3.51	3.26	3.05	2.85	2.67	2.51	2.36	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.02	10.68	9.62	8.74	8.00	7.15	6.43	5.81	5.29	4.84	4.44	4.09	3.78	3.51	3.26	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.02	10.68	9.62	8.74	8.00	7.15	6.43	5.81	5.29	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	15.92	14.15	12.74	11.33	10.02	8.93	8.02	7.24	6.58	6.01	5.51	5.07	4.68	4.34	4.03	3.76	3.51	3.29	3.08	2.90	2.73	2.58	2.44	2.31	2.19	2.08	1.98
	418.89	SGU L/150	15.92	14.15	12.74	11.33	10.02	8.93	8.02	7.24	6.58	6.01	5.51	5.07	4.68	4.34	4.03	3.76	3.51	3.29	3.08	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	15.92	14.15	12.74	11.33	10.02	8.93	8.02	7.24	6.58	6.01	5.51	5.07	4.68	4.34	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	15.92	14.15	12.74	11.33	10.02	8.93	8.02	7.24	6.58	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	18.80	16.71	14.81	12.95	11.43	10.18	9.13	8.24	7.48	6.82	6.25	5.75	5.30	4.91	4.56	4.25	3.97	3.71	3.48	3.27	3.08	2.91	2.75	2.60	2.47	2.34	2.23
	456.26	SGU L/150	18.80	16.71	14.81	12.95	11.43	10.18	9.13	8.24	7.48	6.82	6.25	5.75	5.30	4.91	4.56	4.25	3.97	3.71	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	18.80	16.71	14.81	12.95	11.43	10.18	9.13	8.24	7.48	6.82	6.25	5.75	5.30	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	18.80	16.71	14.81	12.95	11.43	10.18	9.13	8.24	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	26.98	22.95	19.78	17.25	15.19	13.49	12.07	10.88	9.84	8.96	8.20	7.53	6.94	6.42	5.96	5.54	5.17	4.83	4.53	4.25	4.00	3.77	3.56	3.37	3.19	3.03	2.88
	547.51	SGU L/150	26.98	22.95	19.78	17.25	15.19	13.49	12.07	10.88	9.84	8.96	8.20	7.53	6.94	6.42	5.96	5.54	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	26.98	22.95	19.78	17.25	15.19	13.49	12.07	10.88	9.84	8.96	8.20	7.53	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	26.98	22.95	19.78	17.25	15.19	13.49	12.07	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S280 GD

T130-v2			Positive																										
Number of spans:		1	support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.16	1.11	1.06	1.02	0.99	0.95	0.92	0.89	0.86	0.83	0.81	0.78
	204.21	SGU L/150	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.14	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.68	1.61	1.54	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.13	1.07	1.00
	245.24	SGU L/150	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	2.03	1.94	1.85	1.78	1.71	1.64	1.58	1.52	1.47	1.41	1.32	1.24	1.16	1.09
	265.30	SGU L/150	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.32	2.22	2.12	2.03	1.95	1.88	1.81	1.74	1.64	1.53	1.43	1.34	1.26	1.19
	286.60	SGU L/150	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.10	5.42	4.88	4.43	4.06	3.75	3.48	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.12	1.97	1.84	1.72	1.61	1.51	1.42	1.34
	316.73	SGU L/150	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.41	6.59	5.93	5.39	4.94	4.56	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	4.05	3.85	3.66	3.50	3.34	3.14	2.89	2.68	2.48	2.31	2.15	2.01	1.88	1.77	1.66	1.57
	360.77	SGU L/150	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	9.62	8.55	7.69	6.99	6.41	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.99	5.66	5.36	5.09	4.85	4.43	4.06	3.73	3.43	3.17	2.94	2.74	2.55	2.38	2.23	2.10	1.97	1.86
	417.99	SGU L/150	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	12.74	11.32	10.19	9.26	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	7.08	6.69	6.33	5.93	5.38	4.90	4.49	4.12	3.80	3.51	3.26	3.03	2.82	2.64	2.47	2.32	2.18	2.05
	456.26	SGU L/150	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	15.04	13.37	12.03	10.94	10.03	9.26	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	15.04	13.37	12.03	10.94	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.51	10.79	10.16	9.14	8.20	7.40	6.71	6.12	5.60	5.14	4.74	4.38	4.06	3.78	3.52	3.29	3.08	2.89	2.72	2.56
	547.51	SGU L/150	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	21.59	19.19	17.27	15.70	14.39	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	21.59	19.19	17.27	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

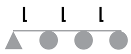
Number of spans:		2	support: 60 - 120 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.44	3.94	3.55	3.23	2.96	2.73	2.53	2.30	2.09	1.92	1.76	1.62	1.50	1.40	1.30	1.21	1.14	1.07	1.00	0.94	0.89	0.84	0.80	0.76	0.72	0.68	0.65
	204.21	SGU L/150	4.44	3.94	3.55	3.23	2.96	2.73	2.53	2.30	2.09	1.92	1.76	1.62	1.50	1.40	1.30	1.21	1.14	1.07	1.00	0.94	0.89	0.84	0.80	0.76	0.72	0.68	0.65
	219.01	SGU L/200	4.44	3.94	3.55	3.23	2.96	2.73	2.53	2.30	2.09	1.92	1.76	1.62	1.50	1.40	1.30	1.21	1.14	1.07	1.00	0.94	0.89	0.84	0.80	0.76	0.72	0.68	0.65
		SGU L/300	4.44	3.94	3.55	3.23	2.96	2.73	2.53	2.30	2.09	1.92	1.76	1.62	1.50	1.40	1.30	1.21	1.14	1.07	1.00	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.15	5.47	4.92	4.48	4.10	3.66	3.29	2.98	2.71	2.48	2.28	2.10	1.94	1.80	1.67	1.56	1.46	1.37	1.28	1.21	1.14	1.08	1.02	0.96	0.92	0.87	0.83
	245.24	SGU L/150	6.15	5.47	4.92	4.48	4.10	3.66	3.29	2.98	2.71	2.48	2.28	2.10	1.94	1.80	1.67	1.56	1.46	1.37	1.28	1.21	1.14	1.08	1.02	0.96	0.92	0.87	0.83
	255.51	SGU L/200	6.15	5.47	4.92	4.48	4.10	3.66	3.29	2.98	2.71	2.48	2.28	2.10	1.94	1.80	1.67	1.56	1.46	1.37	1.28	1.21	1.14	1.08	1.02	0.96	0.92	0.87	0.81
		SGU L/300	6.15	5.47	4.92	4.48	4.10	3.66	3.29	2.98	2.71	2.48	2.28	2.10	1.94	1.80	1.67	1.56	1.46	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.11	6.32	5.69	5.17	4.60	4.11	3.69	3.34	3.03	2.77	2.54	2.34	2.16	2.00	1.86	1.74	1.62	1.52	1.43	1.34	1.27	1.19	1.13	1.07	1.02	0.96	0.92
	265.30	SGU L/150	7.11	6.32	5.69	5.17	4.60	4.11	3.69	3.34	3.03	2.77	2.54	2.34	2.16	2.00	1.86	1.74	1.62	1.52	1.43	1.34	1.27	1.19	1.13	1.07	1.02	0.96	0.92
	273.76	SGU L/200	7.11	6.32	5.69	5.17	4.60	4.11	3.69	3.34	3.03	2.77	2.54	2.34	2.16	2.00	1.86	1.74	1.62	1.52	1.43	1.34	1.27	1.19	1.13	1.07	1.02	0.95	0.86
		SGU L/300	7.11	6.32	5.69	5.17	4.60	4.11	3.69	3.34	3.03	2.77	2.54	2.34	2.16	2.00	1.86	1.74	1.62	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.13	7.22	6.50	5.79	5.12	4.56	4.10	3.70	3.36	3.07	2.81	2.59	2.39	2.21	2.06	1.92	1.79	1.68	1.57	1.48	1.39	1.32	1.24	1.18	1.12	1.06	1.01
	286.60	SGU L/150	8.13	7.22	6.50	5.79	5.12	4.56	4.10	3.70	3.36	3.07	2.81	2.59	2.39	2.21	2.06	1.92	1.79	1.68	1.57	1.48	1.39	1.32	1.24	1.18	1.12	1.06	1.01
	292.01	SGU L/200	8.13	7.22	6.50	5.79	5.12	4.56	4.10	3.70	3.36	3.07	2.81	2.59	2.39	2.21	2.06	1.92	1.79	1.68	1.57	1.48	1.39	1.32	1.24	1.18	1.11	1.01	0.92
		SGU L/300	8.13	7.22	6.50	5.79	5.12	4.56	4.10	3.70	3.36	3.07	2.81	2.59	2.39	2.21	2.06	1.92	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	9.89	8.79	7.75	6.77	5.98	5.32	4.77	4.31	3.91	3.56	3.26	3.00	2.77	2.56	2.38	2.22	2.07	1.94	1.82	1.71	1.61	1.52	1.43	1.36	1.29	1.22	1.16
	316.73	SGU L/150	9.89	8.79	7.75	6.77	5.98	5.32	4.77	4.31	3.91	3.56	3.26	3.00	2.77	2.56	2.38	2.22	2.07	1.94	1.82	1.71	1.61	1.52	1.43	1.36	1.29	1.22	1.16
	321.21	SGU L/200	9.89	8.79	7.75	6.77	5.98	5.32	4.77	4.31	3.91	3.56	3.26	3.00	2.77	2.56	2.38	2.22	2.07	1.94	1.82	1.71	1.61	1.52	1.43	1.34	1.22	1.11	1.01
		SGU L/300	9.89	8.79	7.75	6.77	5.98	5.32	4.77	4.31	3.91	3.56	3.26	3.00	2.77	2.56	2.38	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	12.82	11.06	9.53	8.32	7.33	6.51	5.83	5.26	4.76	4.34	3.97	3.65	3.36	3.11	2.88	2.68	2.50	2.34	2.19	2.06	1.94	1.83	1.73	1.63	1.55	1.47	1.39
	360.77	SGU L/150	12.82	11.06	9.53	8.32	7.33	6.51	5.83	5.26	4.76	4.34	3.97	3.65	3.36	3.11	2.88	2.68	2.50	2.34	2.19	2.06	1.94	1.83	1.73	1.63	1.55	1.47	1.39
	365.01	SGU L/200	12.82	11.06	9.53	8.32	7.33	6.51	5.83	5.26	4.76	4.34	3.97	3.65	3.36	3.11	2.88	2.68	2.50	2.34	2.19	2.06	1.94	1.83	1.68	1.52	1.38	1.26	1.15
		SGU L/300	12.82	11.06	9.53	8.32	7.33	6.51	5.83	5.26	4.76	4.34	3.97	3.65	3.36	3.11	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	16.33	13.84	11.91	10.37	9.12	8.09	7.23	6.51	5.89	5.36	4.90	4.50	4.14	3.82	3.54	3.29	3.07	2.87	2.69	2.52	2.37	2.23	2.11	1.99	1.89	1.79	1.70
	417.99	SGU L/150	16.33	13.84	11.91	10.37	9.12	8.09	7.23	6.51	5.89	5.36	4.90	4.50	4.14	3.82	3.54	3.29	3.07	2.87	2.69	2.52	2.37	2.23	2.11	1.99	1.89	1.79	1.70
	419.75	SGU L/200	16.33	13.84	11.91	10.37	9.12	8.09	7.23	6.51	5.89	5.36	4.90	4.50	4.14	3.82	3.54	3.29	3.07	2.87	2.69	2.52	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	16.33	13.84	11.91	10.37	9.12	8.09	7.23	6.51	5.89	5.36	4.90	4.50	4.14	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	18.66	15.80	13.57	11.80	10.37	9.19	8.21	7.38	6.67	6.06	5.54	5.08	4.67	4.32	4.00	3.71	3.46	3.23	3.02	2.84	2.67	2.51	2.37	2.24	2.12	2.01	1.91
	456.26	SGU L/150	18.66	15.80	13.57	11.80	10.37	9.19	8.21	7.38	6.67	6.06	5.54	5.08	4.67	4.32	4.00	3.71	3.46	3.23	3.02	2.84	2.67	2.51	2.37	2.24	2.12	2.01	1.91
	456.26	SGU L/200	18.66	15.80	13.57	11.80	10.37	9.19	8.21	7.38	6.67	6.06	5.54	5.08	4.67	4.32	4.00	3.71	3.46	3.23	3.02	2.84	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	18.66	15.80	13.57	11.80	10.37	9.19	8.21	7.38	6.67	6.06	5.54	5.08	4.67	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	24.86	20.98	17.97	15.58	13.66	12.08	10.76	9.66	8.70	7.90	7.21	6.60	6.07	5.59	5.17	4.80	4.47	4.17	3.90	3.65	3.43	3.23	3.05	2.88	2.72	2.58	2.45
	547.51	SGU L/150	24.86	20.98	17.97	15.58	13.66	12.08	10.76	9.66	8.70	7.90	7.21	6.60	6.07	5.59	5.17	4.80	4.47	4.17	3.90	3.65	3.43	3.23	3.05	2.88	2.72	2.52	2.31
	547.51	SGU L/200	24.86	20.98	17.97	15.58	13.66	12.08	10.76	9.66	8.70	7.90	7.21	6.60	6.07	5.59	5.17	4.80	4.47	4.17	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	24.86	20.98	17.97	15.58	13.66	12.08	10.76	9.66	8.70	7.90	7.21	6.60	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15



Number of spans:		3	support: 60 - 120 - 120 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.66	1.58	1.51	1.45	1.36	1.28	1.20	1.13	1.07	1.01	0.96	0.91	0.87	0.82	0.79
	204.21	SGU L/150	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.66	1.58	1.51	1.45	1.36	1.28	1.20	1.13	1.07	1.01	0.96	0.91	0.84	0.77	0.71
	219.01	SGU L/200	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.66	1.58	1.51	1.45	1.36	1.28	1.17	1.05	0.95	0.86	0.78	0.71	0.64	0.59	0.54
		SGU L/300	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.66	1.49	1.31	1.15	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.56	2.43	2.31	2.15	2.00	1.87	1.75	1.64	1.54	1.45	1.37	1.30	1.23	1.16	1.11	1.05	1.00
	245.24	SGU L/150	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.56	2.43	2.31	2.15	2.00	1.87	1.75	1.64	1.54	1.45	1.37	1.30	1.22	1.10	1.01	0.92	0.84
	255.51	SGU L/200	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.56	2.43	2.31	2.15	2.00	1.87	1.75	1.58	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.56	2.39	2.06	1.79	1.56	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.33	3.14	2.96	2.79	2.59	2.40	2.23	2.08	1.95	1.83	1.72	1.62	1.53	1.44	1.36	1.29	1.23	1.17	1.11
	265.30	SGU L/150	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.33	3.14	2.96	2.79	2.59	2.40	2.23	2.08	1.95	1.83	1.72	1.62	1.53	1.44	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.33	3.14	2.96	2.79	2.59	2.40	2.23	2.08	1.91	1.70	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.33	3.14	2.96	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.06	3.81	3.59	3.36	3.10	2.86	2.65	2.47	2.30	2.15	2.02	1.90	1.78	1.68	1.59	1.50	1.43	1.35	1.29	1.22
	286.60	SGU L/150	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.06	3.81	3.59	3.36	3.10	2.86	2.65	2.47	2.30	2.15	2.02	1.90	1.78	1.68	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.06	3.81	3.59	3.36	3.10	2.86	2.65	2.47	2.30	2.05	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.06	3.81	3.59	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.25	3.90	3.59	3.32	3.08	2.86	2.67	2.49	2.33	2.19	2.06	1.94	1.83	1.73	1.64	1.56	1.48	1.41
	316.73	SGU L/150	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.25	3.90	3.59	3.32	3.08	2.86	2.67	2.49	2.33	2.19	2.06	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.25	3.90	3.59	3.32	3.08	2.86	2.57	2.26	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.27	5.69	5.19	4.76	4.37	4.04	3.74	3.47	3.23	3.02	2.83	2.65	2.49	2.35	2.21	2.09	1.98	1.88	1.78	1.70
	360.77	SGU L/150	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.27	5.69	5.19	4.76	4.37	4.04	3.74	3.47	3.23	3.02	2.83	2.65	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.27	5.69	5.19	4.76	4.37	4.04	3.74	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.27	5.69	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	15.92	14.15	12.74	11.58	10.61	9.64	8.63	7.78	7.05	6.42	5.88	5.40	4.98	4.61	4.28	3.98	3.71	3.47	3.25	3.06	2.88	2.71	2.56	2.42	2.30	2.18	2.07
	417.99	SGU L/150	15.92	14.15	12.74	11.58	10.61	9.64	8.63	7.78	7.05	6.42	5.88	5.40	4.98	4.61	4.28	3.98	3.71	3.47	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	15.92	14.15	12.74	11.58	10.61	9.64	8.63	7.78	7.05	6.42	5.88	5.40	4.98	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	15.92	14.15	12.74	11.58	10.61	9.64	8.63	7.78	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	18.80	16.71	15.04	13.68	12.35	10.96	9.81	8.83	8.00	7.28	6.66	6.11	5.63	5.21	4.83	4.49	4.19	3.91	3.67	3.44	3.24	3.05	2.88	2.73	2.58	2.45	2.33
	456.26	SGU L/150	18.80	16.71	15.04	13.68	12.35	10.96	9.81	8.83	8.00	7.28	6.66	6.11	5.63	5.21	4.83	4.49	4.19	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	18.80	16.71	15.04	13.68	12.35	10.96	9.81	8.83	8.00	7.28	6.66	6.11	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	18.80	16.71	15.04	13.68	12.35	10.96	9.81	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	26.98	23.98	21.36	18.57	16.31	14.45	12.90	11.59	10.47	9.51	8.68	7.96	7.33	6.77	6.27	5.82	5.42	5.06	4.74	4.44	4.18	3.93	3.71	3.51	3.32	3.15	2.99
	547.51	SGU L/150	26.98	23.98	21.36	18.57	16.31	14.45	12.90	11.59	10.47	9.51	8.68	7.96	7.33	6.77	6.27	5.82	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	26.98	23.98	21.36	18.57	16.31	14.45	12.90	11.59	10.47	9.51	8.68	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	26.98	23.98	21.36	18.57	16.31	14.45	12.90	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

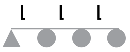
S280 GD



T130-v2			Negative																										
Number of spans:		1	support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.20	1.14	1.09	1.05	1.00	0.97	0.93	0.90	0.87	0.84	0.81	0.78	0.76	0.74
	213.40	SGU L/150	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.20	1.14	1.09	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	219.01	SGU L/200	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.60	1.53	1.47	1.41	1.36	1.31	1.26	1.22	1.18	1.14	1.10	1.06	1.00
	251.62	SGU L/150	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.60	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.80	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.31	1.23	1.15	1.09
	270.29	SGU L/150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.66	2.52	2.40	2.28	2.18	2.08	2.00	1.92	1.84	1.78	1.71	1.62	1.52	1.42	1.33	1.25	1.18
	288.89	SGU L/150	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.66	2.52	2.40	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	5.99	5.33	4.79	4.36	3.99	3.69	3.42	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.11	1.96	1.83	1.71	1.60	1.50	1.41	1.33
	318.89	SGU L/150	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.41	6.59	5.93	5.39	4.94	4.56	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	4.05	3.85	3.66	3.50	3.34	3.13	2.89	2.67	2.47	2.30	2.14	2.00	1.88	1.76	1.66	1.56
	363.60	SGU L/150	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	9.62	8.55	7.69	6.99	6.41	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.99	5.66	5.36	5.09	4.85	4.44	4.06	3.73	3.44	3.18	2.95	2.74	2.55	2.39	2.23	2.10	1.97	1.86
	418.89	SGU L/150	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	12.74	11.32	10.19	9.26	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	7.08	6.69	6.33	5.94	5.39	4.91	4.49	4.13	3.80	3.52	3.26	3.03	2.83	2.64	2.47	2.32	2.18	2.06
	456.26	SGU L/150	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	15.04	13.37	12.03	10.94	10.03	9.26	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	15.04	13.37	12.03	10.94	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.51	10.79	10.16	9.14	8.20	7.40	6.71	6.12	5.60	5.14	4.74	4.38	4.06	3.78	3.52	3.29	3.08	2.89	2.72	2.56
	547.51	SGU L/150	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	21.59	19.19	17.27	15.70	14.39	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	21.59	19.19	17.27	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans:		2	support: 60 - 120 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.21	2.02	1.85	1.70	1.57	1.46	1.35	1.26	1.18	1.10	1.03	0.97	0.92	0.87	0.82	0.78	0.74	0.70	0.67	0.63
	213.40	SGU L/150	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.21	2.02	1.85	1.70	1.57	1.46	1.35	1.26	1.18	1.10	1.03	0.97	0.92	0.87	0.82	0.78	0.74	0.70	0.67	0.63
	219.01	SGU L/200	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.21	2.02	1.85	1.70	1.57	1.46	1.35	1.26	1.18	1.10	1.03	0.97	0.92	0.87	0.82	0.78	0.74	0.70	0.67	0.63
		SGU L/300	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.21	2.02	1.85	1.70	1.57	1.46	1.35	1.26	1.18	1.10	1.03	0.97	0.92	0.82	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	5.88	5.23	4.71	4.28	3.92	3.57	3.22	2.91	2.65	2.43	2.23	2.06	1.90	1.77	1.64	1.53	1.44	1.35	1.27	1.19	1.12	1.06	1.01	0.95	0.90	0.86	0.82
	251.62	SGU L/150	5.88	5.23	4.71	4.28	3.92	3.57	3.22	2.91	2.65	2.43	2.23	2.06	1.90	1.77	1.64	1.53	1.44	1.35	1.27	1.19	1.12	1.06	1.01	0.95	0.90	0.86	0.82
	255.51	SGU L/200	5.88	5.23	4.71	4.28	3.92	3.57	3.22	2.91	2.65	2.43	2.23	2.06	1.90	1.77	1.64	1.53	1.44	1.35	1.27	1.19	1.12	1.06	1.01	0.95	0.90	0.86	0.81
		SGU L/300	5.88	5.23	4.71	4.28	3.92	3.57	3.22	2.91	2.65	2.43	2.23	2.06	1.90	1.77	1.64	1.53	1.44	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	6.88	6.12	5.51	5.01	4.54	4.05	3.64	3.29	2.99	2.73	2.51	2.31	2.14	1.98	1.84	1.72	1.61	1.51	1.41	1.33	1.26	1.19	1.12	1.06	1.01	0.96	0.91
	270.29	SGU L/150	6.88	6.12	5.51	5.01	4.54	4.05	3.64	3.29	2.99	2.73	2.51	2.31	2.14	1.98	1.84	1.72	1.61	1.51	1.41	1.33	1.26	1.19	1.12	1.06	1.01	0.96	0.91
	273.76	SGU L/200	6.88	6.12	5.51	5.01	4.54	4.05	3.64	3.29	2.99	2.73	2.51	2.31	2.14	1.98	1.84	1.72	1.61	1.51	1.41	1.33	1.26	1.19	1.12	1.06	1.01	0.95	0.86
		SGU L/300	6.88	6.12	5.51	5.01	4.54	4.05	3.64	3.29	2.99	2.73	2.51	2.31	2.14	1.98	1.84	1.72	1.61	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	7.99	7.10	6.39	5.76	5.09	4.54	4.08	3.68	3.35	3.06	2.80	2.58	2.38	2.21	2.05	1.91	1.79	1.67	1.57	1.48	1.39	1.32	1.24	1.18	1.12	1.06	1.01
	288.89	SGU L/150	7.99	7.10	6.39	5.76	5.09	4.54	4.08	3.68	3.35	3.06	2.80	2.58	2.38	2.21	2.05	1.91	1.79	1.67	1.57	1.48	1.39	1.32	1.24	1.18	1.12	1.06	1.01
	292.01	SGU L/200	7.99	7.10	6.39	5.76	5.09	4.54	4.08	3.68	3.35	3.06	2.80	2.58	2.38	2.21	2.05	1.91	1.79	1.67	1.57	1.48	1.39	1.32	1.24	1.18	1.11	1.01	0.92
		SGU L/300	7.99	7.10	6.39	5.76	5.09	4.54	4.08	3.68	3.35	3.06	2.80	2.58	2.38	2.21	2.05	1.91	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	9.89	8.79	7.77	6.79	6.00	5.34	4.79	4.32	3.92	3.57	3.27	3.01	2.78	2.57	2.39	2.22	2.08	1.94	1.82	1.71	1.61	1.52	1.44	1.36	1.29	1.23	1.17
	318.89	SGU L/150	9.89	8.79	7.77	6.79	6.00	5.34	4.79	4.32	3.92	3.57	3.27	3.01	2.78	2.57	2.39	2.22	2.08	1.94	1.82	1.71	1.61	1.52	1.44	1.36	1.29	1.23	1.17
	321.21	SGU L/200	9.89	8.79	7.77	6.79	6.00	5.34	4.79	4.32	3.92	3.57	3.27	3.01	2.78	2.57	2.39	2.22	2.08	1.94	1.82	1.71	1.61	1.52	1.44	1.34	1.22	1.11	1.01
		SGU L/300	9.89	8.79	7.77	6.79	6.00	5.34	4.79	4.32	3.92	3.57	3.27	3.01	2.78	2.57	2.39	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	12.82	11.08	9.55	8.33	7.34	6.53	5.84	5.27	4.77	4.35	3.98	3.65	3.37	3.11	2.89	2.69	2.51	2.34	2.20	2.06	1.94	1.83	1.73	1.64	1.55	1.47	1.40
	363.60	SGU L/150	12.82	11.08	9.55	8.33	7.34	6.53	5.84	5.27	4.77	4.35	3.98	3.65	3.37	3.11	2.89	2.69	2.51	2.34	2.20	2.06	1.94	1.83	1.73	1.64	1.55	1.47	1.40
	365.01	SGU L/200	12.82	11.08	9.55	8.33	7.34	6.53	5.84	5.27	4.77	4.35	3.98	3.65	3.37	3.11	2.89	2.69	2.51	2.34	2.20	2.06	1.94	1.83	1.68	1.52	1.38	1.26	1.15
		SGU L/300	12.82	11.08	9.55	8.33	7.34	6.53	5.84	5.27	4.77	4.35	3.98	3.65	3.37	3.11	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	16.35	13.86	11.92	10.38	9.13	8.10	7.24	6.51	5.89	5.36	4.90	4.49	4.14	3.82	3.54	3.29	3.07	2.87	2.69	2.52	2.37	2.23	2.11	1.99	1.89	1.79	1.70
	418.89	SGU L/150	16.35	13.86	11.92	10.38	9.13	8.10	7.24	6.51	5.89	5.36	4.90	4.49	4.14	3.82	3.54	3.29	3.07	2.87	2.69	2.52	2.37	2.23	2.11	1.99	1.89	1.79	1.70
	419.75	SGU L/200	16.35	13.86	11.92	10.38	9.13	8.10	7.24	6.51	5.89	5.36	4.90	4.49	4.14	3.82	3.54	3.29	3.07	2.87	2.69	2.52	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	16.35	13.86	11.92	10.38	9.13	8.10	7.24	6.51	5.89	5.36	4.90	4.49	4.14	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	18.68	15.81	13.58	11.81	10.38	9.20	8.21	7.38	6.67	6.06	5.54	5.08	4.67	4.31	3.99	3.71	3.46	3.23	3.02	2.83	2.66	2.51	2.37	2.24	2.12	2.01	1.91
	456.26	SGU L/150	18.68	15.81	13.58	11.81	10.38	9.20	8.21	7.38	6.67	6.06	5.54	5.08	4.67	4.31	3.99	3.71	3.46	3.23	3.02	2.83	2.66	2.51	2.37	2.24	2.12	2.01	1.91
	456.26	SGU L/200	18.68	15.81	13.58	11.81	10.38	9.20	8.21	7.38	6.67	6.06	5.54	5.08	4.67	4.31	3.99	3.71	3.46	3.23	3.02	2.83	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	18.68	15.81	13.58	11.81	10.38	9.20	8.21	7.38	6.67	6.06	5.54	5.08	4.67	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	24.89	20.99	17.98	15.59	13.66	12.08	10.76	9.66	8.71	7.90	7.21	6.60	6.07	5.59	5.17	4.80	4.47	4.17	3.90	3.65	3.43	3.23	3.05	2.88	2.72	2.58	2.45
	547.51	SGU L/150	24.89	20.99	17.98	15.59	13.66	12.08	10.76	9.66	8.71	7.90	7.21	6.60	6.07	5.59	5.17	4.80	4.47	4.17	3.90	3.65	3.43	3.23	3.05	2.88	2.72	2.52	2.31
	547.51	SGU L/200	24.89	20.99	17.98	15.59	13.66	12.08	10.76	9.66	8.71	7.90	7.21	6.60	6.07	5.59	5.17	4.80	4.47	4.17	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	24.89	20.99	17.98	15.59	13.66	12.08	10.76	9.66	8.71	7.90	7.21	6.60	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans:		3	support: 60 - 120 - 120 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.49	1.43	1.36	1.31	1.24	1.17	1.10	1.04	0.98	0.93	0.89	0.84	0.80	0.76
	213.40	SGU L/150	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.49	1.43	1.36	1.31	1.24	1.17	1.10	1.04	0.98	0.93	0.89	0.84	0.78	0.72
	219.01	SGU L/200	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.49	1.43	1.36	1.31	1.24	1.17	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
		SGU L/300	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.49	1.32	1.16	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	1.97	1.84	1.72	1.62	1.52	1.43	1.35	1.28	1.21	1.15	1.09	1.04	0.99
	251.62	SGU L/150	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	1.97	1.84	1.72	1.62	1.52	1.43	1.35	1.28	1.21	1.11	1.01	0.92	0.84
	255.51	SGU L/200	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	1.97	1.84	1.72	1.58	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.45	2.32	2.06	1.79	1.56	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	3.04	2.87	2.72	2.55	2.37	2.21	2.06	1.93	1.81	1.70	1.60	1.51	1.43	1.35	1.28	1.22	1.16	1.10
	270.29	SGU L/150	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	3.04	2.87	2.72	2.55	2.37	2.21	2.06	1.93	1.81	1.70	1.60	1.51	1.43	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	3.04	2.87	2.72	2.55	2.37	2.21	2.06	1.92	1.70	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	3.04	2.87	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.74	3.52	3.33	3.08	2.85	2.65	2.46	2.30	2.15	2.01	1.89	1.78	1.68	1.59	1.50	1.42	1.35	1.29	1.22
	288.89	SGU L/150	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.74	3.52	3.33	3.08	2.85	2.65	2.46	2.30	2.15	2.01	1.89	1.78	1.68	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.74	3.52	3.33	3.08	2.85	2.65	2.46	2.30	2.05	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.74	3.52	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.27	3.92	3.61	3.33	3.09	2.87	2.68	2.50	2.34	2.20	2.07	1.95	1.84	1.74	1.65	1.56	1.49	1.41
	318.89	SGU L/150	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.27	3.92	3.61	3.33	3.09	2.87	2.68	2.50	2.34	2.20	2.07	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.27	3.92	3.61	3.33	3.09	2.87	2.57	2.26	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.28	5.70	5.20	4.76	4.38	4.04	3.74	3.48	3.24	3.02	2.83	2.66	2.50	2.35	2.22	2.10	1.98	1.88	1.79	1.70
	363.60	SGU L/150	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.28	5.70	5.20	4.76	4.38	4.04	3.74	3.48	3.24	3.02	2.83	2.66	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.28	5.70	5.20	4.76	4.38	4.04	3.74	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.28	5.70	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	15.92	14.15	12.74	11.58	10.61	9.65	8.64	7.79	7.06	6.43	5.88	5.40	4.98	4.61	4.27	3.98	3.71	3.47	3.25	3.05	2.88	2.71	2.56	2.42	2.30	2.18	2.07
	418.89	SGU L/150	15.92	14.15	12.74	11.58	10.61	9.65	8.64	7.79	7.06	6.43	5.88	5.40	4.98	4.61	4.27	3.98	3.71	3.47	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	15.92	14.15	12.74	11.58	10.61	9.65	8.64	7.79	7.06	6.43	5.88	5.40	4.98	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	15.92	14.15	12.74	11.58	10.61	9.65	8.64	7.79	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	18.80	16.71	15.04	13.68	12.36	10.97	9.81	8.84	8.00	7.28	6.65	6.11	5.63	5.20	4.82	4.49	4.18	3.91	3.66	3.44	3.24	3.05	2.88	2.72	2.58	2.45	2.32
	456.26	SGU L/150	18.80	16.71	15.04	13.68	12.36	10.97	9.81	8.84	8.00	7.28	6.65	6.11	5.63	5.20	4.82	4.49	4.18	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	18.80	16.71	15.04	13.68	12.36	10.97	9.81	8.84	8.00	7.28	6.65	6.11	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	18.80	16.71	15.04	13.68	12.36	10.97	9.81	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	26.98	23.98	21.38	18.58	16.31	14.45	12.90	11.59	10.46	9.51	8.69	7.97	7.33	6.77	6.27	5.82	5.42	5.06	4.74	4.44	4.18	3.93	3.71	3.51	3.32	3.15	2.99
	547.51	SGU L/150	26.98	23.98	21.38	18.58	16.31	14.45	12.90	11.59	10.46	9.51	8.69	7.97	7.33	6.77	6.27	5.82	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	26.98	23.98	21.38	18.58	16.31	14.45	12.90	11.59	10.46	9.51	8.69	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	26.98	23.98	21.38	18.58	16.31	14.45	12.90	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S280 GD

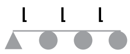


T130-v2			Positive																										
Number of spans:		**1**	**support: 60 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.16	1.11	1.06	1.02	0.99	0.95	0.92	0.89	0.86	0.83	0.81	0.78
	204.21	SGU L/150	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.14	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.68	1.61	1.54	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.13	1.07	1.00
	245.24	SGU L/150	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	2.03	1.94	1.85	1.78	1.71	1.64	1.58	1.52	1.47	1.41	1.32	1.24	1.16	1.09
	265.30	SGU L/150	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.32	2.22	2.12	2.03	1.95	1.88	1.81	1.74	1.64	1.53	1.43	1.34	1.26	1.19
	286.60	SGU L/150	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.10	5.42	4.88	4.43	4.06	3.75	3.48	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.12	1.97	1.84	1.72	1.61	1.51	1.42	1.34
	316.73	SGU L/150	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.41	6.59	5.93	5.39	4.94	4.56	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	4.05	3.85	3.66	3.50	3.34	3.14	2.89	2.68	2.48	2.31	2.15	2.01	1.88	1.77	1.66	1.57
	360.77	SGU L/150	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	9.62	8.55	7.69	6.99	6.41	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.99	5.66	5.36	5.09	4.85	4.43	4.06	3.73	3.43	3.17	2.94	2.74	2.55	2.38	2.23	2.10	1.97	1.86
	417.99	SGU L/150	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	12.74	11.32	10.19	9.26	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	7.08	6.69	6.33	5.93	5.38	4.90	4.49	4.12	3.80	3.51	3.26	3.03	2.82	2.64	2.47	2.32	2.18	2.05
	456.26	SGU L/150	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	15.04	13.37	12.03	10.94	10.03	9.26	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	15.04	13.37	12.03	10.94	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.51	10.79	10.16	9.14	8.20	7.40	6.71	6.12	5.60	5.14	4.74	4.38	4.06	3.78	3.52	3.29	3.08	2.89	2.72	2.56
	547.51	SGU L/150	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	21.59	19.19	17.27	15.70	14.39	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	21.59	19.19	17.27	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans:		**2**	**support: 60 - 160 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.44	3.94	3.55	3.23	2.96	2.73	2.53	2.37	2.22	2.03	1.87	1.72	1.59	1.47	1.37	1.28	1.19	1.12	1.05	0.99	0.93	0.88	0.83	0.79	0.75	0.71	0.68
	204.21	SGU L/150	4.44	3.94	3.55	3.23	2.96	2.73	2.53	2.37	2.22	2.03	1.87	1.72	1.59	1.47	1.37	1.28	1.19	1.12	1.05	0.99	0.93	0.88	0.83	0.79	0.75	0.71	0.68
	219.01	SGU L/200	4.44	3.94	3.55	3.23	2.96	2.73	2.53	2.37	2.22	2.03	1.87	1.72	1.59	1.47	1.37	1.28	1.19	1.12	1.05	0.99	0.93	0.88	0.83	0.79	0.75	0.71	0.68
		SGU L/300	4.44	3.94	3.55	3.23	2.96	2.73	2.53	2.37	2.22	2.03	1.87	1.72	1.59	1.47	1.37	1.28	1.19	1.12	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.15	5.47	4.92	4.48	4.10	3.79	3.50	3.16	2.87	2.62	2.40	2.21	2.04	1.89	1.76	1.64	1.53	1.43	1.34	1.26	1.19	1.12	1.06	1.00	0.95	0.90	0.86
	245.24	SGU L/150	6.15	5.47	4.92	4.48	4.10	3.79	3.50	3.16	2.87	2.62	2.40	2.21	2.04	1.89	1.76	1.64	1.53	1.43	1.34	1.26	1.19	1.12	1.06	1.00	0.95	0.90	0.86
	255.51	SGU L/200	6.15	5.47	4.92	4.48	4.10	3.79	3.50	3.16	2.87	2.62	2.40	2.21	2.04	1.89	1.76	1.64	1.53	1.43	1.34	1.26	1.19	1.12	1.06	1.00	0.95	0.88	0.81
		SGU L/300	6.15	5.47	4.92	4.48	4.10	3.79	3.50	3.16	2.87	2.62	2.40	2.21	2.04	1.89	1.76	1.64	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.11	6.32	5.69	5.17	4.74	4.37	3.92	3.53	3.21	2.92	2.68	2.46	2.27	2.10	1.95	1.82	1.70	1.59	1.49	1.40	1.32	1.24	1.17	1.11	1.05	1.00	0.95
	265.30	SGU L/150	7.11	6.32	5.69	5.17	4.74	4.37	3.92	3.53	3.21	2.92	2.68	2.46	2.27	2.10	1.95	1.82	1.70	1.59	1.49	1.40	1.32	1.24	1.17	1.11	1.05	1.00	0.95
	273.76	SGU L/200	7.11	6.32	5.69	5.17	4.74	4.37	3.92	3.53	3.21	2.92	2.68	2.46	2.27	2.10	1.95	1.82	1.70	1.59	1.49	1.40	1.32	1.24	1.17	1.11	1.04	0.95	0.86
		SGU L/300	7.11	6.32	5.69	5.17	4.74	4.37	3.92	3.53	3.21	2.92	2.68	2.46	2.27	2.10	1.95	1.82	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.13	7.22	6.50	5.91	5.42	4.85	4.34	3.91	3.55	3.23	2.96	2.72	2.51	2.32	2.15	2.00	1.87	1.75	1.64	1.54	1.45	1.37	1.29	1.22	1.16	1.10	1.05
	286.60	SGU L/150	8.13	7.22	6.50	5.91	5.42	4.85	4.34	3.91	3.55	3.23	2.96	2.72	2.51	2.32	2.15	2.00	1.87	1.75	1.64	1.54	1.45	1.37	1.29	1.22	1.16	1.10	1.05
	292.01	SGU L/200	8.13	7.22	6.50	5.91	5.42	4.85	4.34	3.91	3.55	3.23	2.96	2.72	2.51	2.32	2.15	2.00	1.87	1.75	1.64	1.54	1.45	1.37	1.29	1.22	1.11	1.01	0.92
		SGU L/300	8.13	7.22	6.50	5.91	5.42	4.85	4.34	3.91	3.55	3.23	2.96	2.72	2.51	2.32	2.15	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	9.89	8.79	7.91	7.19	6.35	5.64	5.04	4.54	4.12	3.75	3.43	3.15	2.90	2.68	2.49	2.31	2.16	2.02	1.89	1.77	1.67	1.57	1.49	1.40	1.33	1.26	1.20
	316.73	SGU L/150	9.89	8.79	7.91	7.19	6.35	5.64	5.04	4.54	4.12	3.75	3.43	3.15	2.90	2.68	2.49	2.31	2.16	2.02	1.89	1.77	1.67	1.57	1.49	1.40	1.33	1.26	1.20
	321.21	SGU L/200	9.89	8.79	7.91	7.19	6.35	5.64	5.04	4.54	4.12	3.75	3.43	3.15	2.90	2.68	2.49	2.31	2.16	2.02	1.89	1.77	1.67	1.57	1.48	1.34	1.22	1.11	1.01
		SGU L/300	9.89	8.79	7.91	7.19	6.35	5.64	5.04	4.54	4.12	3.75	3.43	3.15	2.90	2.68	2.49	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	12.82	11.40	10.14	8.82	7.76	6.88	6.15	5.53	5.00	4.55	4.16	3.81	3.51	3.24	3.00	2.79	2.60	2.43	2.27	2.13	2.01	1.89	1.78	1.69	1.60	1.51	1.44
	360.77	SGU L/150	12.82	11.40	10.14	8.82	7.76	6.88	6.15	5.53	5.00	4.55	4.16	3.81	3.51	3.24	3.00	2.79	2.60	2.43	2.27	2.13	2.01	1.89	1.78	1.69	1.60	1.51	1.44
	365.01	SGU L/200	12.82	11.40	10.14	8.82	7.76	6.88	6.15	5.53	5.00	4.55	4.16	3.81	3.51	3.24	3.00	2.79	2.60	2.43	2.27	2.13	2.01	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	12.82	11.40	10.14	8.82	7.76	6.88	6.15	5.53	5.00	4.55	4.16	3.81	3.51	3.24	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	16.98	14.72	12.62	10.96	9.62	8.52	7.60	6.83	6.17	5.60	5.11	4.69	4.31	3.98	3.68	3.42	3.18	2.97	2.78	2.61	2.45	2.31	2.17	2.05	1.94	1.84	1.75
	417.99	SGU L/150	16.98	14.72	12.62	10.96	9.62	8.52	7.60	6.83	6.17	5.60	5.11	4.69	4.31	3.98	3.68	3.42	3.18	2.97	2.78	2.61	2.45	2.31	2.17	2.05	1.94	1.84	1.75
	419.75	SGU L/200	16.98	14.72	12.62	10.96	9.62	8.52	7.60	6.83	6.17	5.60	5.11	4.69	4.31	3.98	3.68	3.42	3.18	2.97	2.78	2.61	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	16.98	14.72	12.62	10.96	9.62	8.52	7.60	6.83	6.17	5.60	5.11	4.69	4.31	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	19.86	16.76	14.36	12.46	10.92	9.66	8.61	7.73	6.97	6.33	5.77	5.29	4.86	4.48	4.15	3.85	3.58	3.34	3.12	2.93	2.75	2.59	2.44	2.31	2.18	2.07	1.96
	456.26	SGU L/150	19.86	16.76	14.36	12.46	10.92	9.66	8.61	7.73	6.97	6.33	5.77	5.29	4.86	4.48	4.15	3.85	3.58	3.34	3.12	2.93	2.75	2.59	2.44	2.31	2.18	2.07	1.92
	456.26	SGU L/200	19.86	16.76	14.36	12.46	10.92	9.66	8.61	7.73	6.97	6.33	5.77	5.29	4.86	4.48	4.15	3.85	3.58	3.34	3.12	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	19.86	16.76	14.36	12.46	10.92	9.66	8.61	7.73	6.97	6.33	5.77	5.29	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	26.35	22.17	18.93	16.38	14.32	12.64	11.24	10.07	9.06	8.21	7.48	6.84	6.28	5.79	5.35	4.96	4.61	4.30	4.01	3.76	3.53	3.32	3.13	2.95	2.79	2.64	2.50
	547.51	SGU L/150	26.35	22.17	18.93	16.38	14.32	12.64	11.24	10.07	9.06	8.21	7.48	6.84	6.28	5.79	5.35	4.96	4.61	4.30	4.01	3.76	3.53	3.32	3.13	2.95	2.77	2.52	2.31
	547.51	SGU L/200	26.35	22.17	18.93	16.38	14.32	12.64	11.24	10.07	9.06	8.21	7.48	6.84	6.28	5.79	5.35	4.96	4.61	4.30	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	26.35	22.17	18.93	16.38	14.32	12.64	11.24	10.07	9.06	8.21	7.48	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans:		**3**	**support: 60 - 160 - 160 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.66	1.58	1.51	1.45	1.39	1.33	1.26	1.19	1.12	1.06	1.01	0.95	0.91	0.86	0.82
	204.21	SGU L/150	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.66	1.58	1.51	1.45	1.39	1.33	1.26	1.19	1.12	1.06	1.01	0.92	0.84	0.77	0.71
	219.01	SGU L/200	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.66	1.58	1.51	1.45	1.39	1.32	1.18	1.06	0.95	0.86	0.78	0.71	0.65	0.59	0.54
		SGU L/300	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.66	1.49	1.31	1.15	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.56	2.43	2.31	2.20	2.10	1.97	1.84	1.72	1.62	1.52	1.43	1.35	1.28	1.21	1.15	1.09	1.04
	245.24	SGU L/150	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.56	2.43	2.31	2.20	2.10	1.97	1.84	1.72	1.62	1.52	1.43	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.56	2.43	2.31	2.20	2.10	1.97	1.78	1.58	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.56	2.39	2.06	1.79	1.56	1.37	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.33	3.14	2.96	2.81	2.67	2.52	2.35	2.19	2.04	1.91	1.80	1.69	1.59	1.50	1.42	1.35	1.28	1.21	1.15
	265.30	SGU L/150	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.33	3.14	2.96	2.81	2.67	2.52	2.35	2.19	2.04	1.91	1.80	1.69	1.59	1.45	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.33	3.14	2.96	2.81	2.67	2.52	2.35	2.17	1.92	1.70	1.51	1.35	1.22	1.10	0.99	0.90	0.82	0.74	0.68
		SGU L/300	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.33	3.14	2.96	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.06	3.81	3.59	3.39	3.21	3.01	2.79	2.59	2.41	2.26	2.11	1.98	1.86	1.75	1.66	1.57	1.48	1.41	1.33	1.27
	286.60	SGU L/150	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.06	3.81	3.59	3.39	3.21	3.01	2.79	2.59	2.41	2.26	2.11	1.98	1.86	1.72	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.06	3.81	3.59	3.39	3.21	3.01	2.79	2.59	2.33	2.05	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.06	3.81	3.59	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.36	4.11	3.78	3.49	3.23	3.00	2.79	2.60	2.44	2.28	2.15	2.02	1.91	1.80	1.70	1.62	1.53	1.46
	316.73	SGU L/150	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.36	4.11	3.78	3.49	3.23	3.00	2.79	2.60	2.44	2.28	2.12	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.36	4.11	3.78	3.49	3.23	2.93	2.57	2.27	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	5.99	5.46	4.99	4.59	4.23	3.91	3.62	3.37	3.14	2.94	2.76	2.59	2.43	2.30	2.17	2.05	1.94	1.84	1.75
	360.77	SGU L/150	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	5.99	5.46	4.99	4.59	4.23	3.91	3.62	3.37	3.14	2.94	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	5.99	5.46	4.99	4.59	4.23	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	5.80	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	15.92	14.15	12.74	11.58	10.61	9.80	9.09	8.18	7.40	6.73	6.15	5.65	5.20	4.80	4.45	4.14	3.86	3.60	3.37	3.17	2.98	2.80	2.65	2.50	2.37	2.25	2.13
	417.99	SGU L/150	15.92	14.15	12.74	11.58	10.61	9.80	9.09	8.18	7.40	6.73	6.15	5.65	5.20	4.80	4.45	4.14	3.86	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	15.92	14.15	12.74	11.58	10.61	9.80	9.09	8.18	7.40	6.73	6.15	5.65	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	15.92	14.15	12.74	11.58	10.61	9.80	9.09	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	18.80	16.71	15.04	13.68	12.54	11.55	10.31	9.27	8.38	7.61	6.95	6.38	5.87	5.42	5.02	4.66	4.34	4.05	3.80	3.56	3.35	3.15	2.97	2.81	2.66	2.52	2.39
	456.26	SGU L/150	18.80	16.71	15.04	13.68	12.54	11.55	10.31	9.27	8.38	7.61	6.95	6.38	5.87	5.42	5.02	4.66	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	18.80	16.71	15.04	13.68	12.54	11.55	10.31	9.27	8.38	7.61	6.95	6.38	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	18.80	16.71	15.04	13.68	12.54	11.55	10.31	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	26.98	23.98	21.59	19.57	17.14	15.16	13.50	12.11	10.93	9.91	9.03	8.28	7.61	7.01	6.49	6.02	5.60	5.23	4.89	4.58	4.30	4.05	3.82	3.60	3.41	3.23	3.06
	547.51	SGU L/150	26.98	23.98	21.59	19.57	17.14	15.16	13.50	12.11	10.93	9.91	9.03	8.28	7.61	7.01	6.49	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	26.98	23.98	21.59	19.57	17.14	15.16	13.50	12.11	10.93	9.91	9.03	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	26.98	23.98	21.59	19.57	17.14	15.16	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

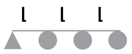
S280 GD

T130-v2			Negative																										
Number of spans:		1	support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.20	1.14	1.09	1.05	1.00	0.97	0.93	0.90	0.87	0.84	0.81	0.78	0.76	0.74
	213.40	SGU L/150	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.20	1.14	1.09	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	219.01	SGU L/200	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.60	1.53	1.47	1.41	1.36	1.31	1.26	1.22	1.18	1.14	1.10	1.06	1.00
	251.62	SGU L/150	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.60	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.80	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.31	1.23	1.15	1.09
	270.29	SGU L/150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.66	2.52	2.40	2.28	2.18	2.08	2.00	1.92	1.84	1.78	1.71	1.62	1.52	1.42	1.33	1.25	1.18
	288.89	SGU L/150	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.66	2.52	2.40	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	5.99	5.33	4.79	4.36	3.99	3.69	3.42	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.11	1.96	1.83	1.71	1.60	1.50	1.41	1.33
	318.89	SGU L/150	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.41	6.59	5.93	5.39	4.94	4.56	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	4.05	3.85	3.66	3.50	3.34	3.13	2.89	2.67	2.47	2.30	2.14	2.00	1.88	1.76	1.66	1.56
	363.60	SGU L/150	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	9.62	8.55	7.69	6.99	6.41	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.99	5.66	5.36	5.09	4.85	4.44	4.06	3.73	3.44	3.18	2.95	2.74	2.55	2.39	2.23	2.10	1.97	1.86
	418.89	SGU L/150	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	12.74	11.32	10.19	9.26	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	7.08	6.69	6.33	5.94	5.39	4.91	4.49	4.13	3.80	3.52	3.26	3.03	2.83	2.64	2.47	2.32	2.18	2.06
	456.26	SGU L/150	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	15.04	13.37	12.03	10.94	10.03	9.26	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	15.04	13.37	12.03	10.94	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.51	10.79	10.16	9.14	8.20	7.40	6.71	6.12	5.60	5.14	4.74	4.38	4.06	3.78	3.52	3.29	3.08	2.89	2.72	2.56
	547.51	SGU L/150	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	21.59	19.19	17.27	15.70	14.39	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	21.59	19.19	17.27	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans:		2	support: 60 - 160 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.23	2.09	1.97	1.81	1.67	1.54	1.43	1.33	1.24	1.16	1.09	1.02	0.96	0.91	0.86	0.81	0.77	0.73	0.69	0.66
	213.40	SGU L/150	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.23	2.09	1.97	1.81	1.67	1.54	1.43	1.33	1.24	1.16	1.09	1.02	0.96	0.91	0.86	0.81	0.77	0.73	0.69	0.66
	219.01	SGU L/200	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.23	2.09	1.97	1.81	1.67	1.54	1.43	1.33	1.24	1.16	1.09	1.02	0.96	0.91	0.86	0.81	0.77	0.73	0.69	0.66
		SGU L/300	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.23	2.09	1.97	1.81	1.67	1.54	1.43	1.33	1.24	1.16	1.09	1.02	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	5.88	5.23	4.71	4.28	3.92	3.62	3.36	3.10	2.82	2.57	2.36	2.17	2.01	1.86	1.73	1.61	1.51	1.41	1.32	1.25	1.17	1.11	1.05	0.99	0.94	0.89	0.85
	251.62	SGU L/150	5.88	5.23	4.71	4.28	3.92	3.62	3.36	3.10	2.82	2.57	2.36	2.17	2.01	1.86	1.73	1.61	1.51	1.41	1.32	1.25	1.17	1.11	1.05	0.99	0.94	0.89	0.85
	255.51	SGU L/200	5.88	5.23	4.71	4.28	3.92	3.62	3.36	3.10	2.82	2.57	2.36	2.17	2.01	1.86	1.73	1.61	1.51	1.41	1.32	1.25	1.17	1.11	1.05	0.99	0.94	0.88	0.81
		SGU L/300	5.88	5.23	4.71	4.28	3.92	3.62	3.36	3.10	2.82	2.57	2.36	2.17	2.01	1.86	1.73	1.61	1.51	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	6.88	6.12	5.51	5.01	4.59	4.24	3.87	3.49	3.17	2.89	2.65	2.44	2.25	2.08	1.93	1.80	1.68	1.58	1.48	1.39	1.31	1.23	1.17	1.11	1.05	1.00	0.95
	270.29	SGU L/150	6.88	6.12	5.51	5.01	4.59	4.24	3.87	3.49	3.17	2.89	2.65	2.44	2.25	2.08	1.93	1.80	1.68	1.58	1.48	1.39	1.31	1.23	1.17	1.11	1.05	1.00	0.95
	273.76	SGU L/200	6.88	6.12	5.51	5.01	4.59	4.24	3.87	3.49	3.17	2.89	2.65	2.44	2.25	2.08	1.93	1.80	1.68	1.58	1.48	1.39	1.31	1.23	1.17	1.11	1.04	0.95	0.86
		SGU L/300	6.88	6.12	5.51	5.01	4.59	4.24	3.87	3.49	3.17	2.89	2.65	2.44	2.25	2.08	1.93	1.80	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	7.99	7.10	6.39	5.81	5.33	4.83	4.32	3.90	3.54	3.22	2.95	2.71	2.50	2.32	2.15	2.00	1.87	1.75	1.64	1.54	1.45	1.37	1.29	1.22	1.16	1.10	1.05
	288.89	SGU L/150	7.99	7.10	6.39	5.81	5.33	4.83	4.32	3.90	3.54	3.22	2.95	2.71	2.50	2.32	2.15	2.00	1.87	1.75	1.64	1.54	1.45	1.37	1.29	1.22	1.16	1.10	1.05
	292.01	SGU L/200	7.99	7.10	6.39	5.81	5.33	4.83	4.32	3.90	3.54	3.22	2.95	2.71	2.50	2.32	2.15	2.00	1.87	1.75	1.64	1.54	1.45	1.37	1.29	1.22	1.11	1.01	0.92
		SGU L/300	7.99	7.10	6.39	5.81	5.33	4.83	4.32	3.90	3.54	3.22	2.95	2.71	2.50	2.32	2.15	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	9.89	8.79	7.91	7.19	6.37	5.66	5.06	4.56	4.13	3.76	3.44	3.16	2.91	2.69	2.50	2.32	2.16	2.02	1.90	1.78	1.68	1.58	1.49	1.41	1.34	1.27	1.20
	318.89	SGU L/150	9.89	8.79	7.91	7.19	6.37	5.66	5.06	4.56	4.13	3.76	3.44	3.16	2.91	2.69	2.50	2.32	2.16	2.02	1.90	1.78	1.68	1.58	1.49	1.41	1.34	1.27	1.20
	321.21	SGU L/200	9.89	8.79	7.91	7.19	6.37	5.66	5.06	4.56	4.13	3.76	3.44	3.16	2.91	2.69	2.50	2.32	2.16	2.02	1.90	1.78	1.68	1.58	1.48	1.34	1.22	1.11	1.01
		SGU L/300	9.89	8.79	7.91	7.19	6.37	5.66	5.06	4.56	4.13	3.76	3.44	3.16	2.91	2.69	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	12.82	11.40	10.16	8.84	7.78	6.90	6.16	5.54	5.01	4.56	4.16	3.82	3.52	3.25	3.01	2.80	2.61	2.43	2.28	2.14	2.01	1.89	1.79	1.69	1.60	1.52	1.44
	363.60	SGU L/150	12.82	11.40	10.16	8.84	7.78	6.90	6.16	5.54	5.01	4.56	4.16	3.82	3.52	3.25	3.01	2.80	2.61	2.43	2.28	2.14	2.01	1.89	1.79	1.69	1.60	1.52	1.44
	365.01	SGU L/200	12.82	11.40	10.16	8.84	7.78	6.90	6.16	5.54	5.01	4.56	4.16	3.82	3.52	3.25	3.01	2.80	2.61	2.43	2.28	2.14	2.01	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	12.82	11.40	10.16	8.84	7.78	6.90	6.16	5.54	5.01	4.56	4.16	3.82	3.52	3.25	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	16.98	14.74	12.64	10.98	9.63	8.53	7.61	6.83	6.17	5.60	5.11	4.69	4.31	3.98	3.68	3.42	3.18	2.97	2.78	2.61	2.45	2.30	2.17	2.05	1.94	1.84	1.75
	418.89	SGU L/150	16.98	14.74	12.64	10.98	9.63	8.53	7.61	6.83	6.17	5.60	5.11	4.69	4.31	3.98	3.68	3.42	3.18	2.97	2.78	2.61	2.45	2.30	2.17	2.05	1.94	1.84	1.75
	419.75	SGU L/200	16.98	14.74	12.64	10.98	9.63	8.53	7.61	6.83	6.17	5.60	5.11	4.69	4.31	3.98	3.68	3.42	3.18	2.97	2.78	2.61	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	16.98	14.74	12.64	10.98	9.63	8.53	7.61	6.83	6.17	5.60	5.11	4.69	4.31	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	19.88	16.78	14.37	12.47	10.93	9.66	8.61	7.73	6.98	6.32	5.77	5.28	4.85	4.48	4.14	3.84	3.58	3.34	3.12	2.93	2.75	2.59	2.44	2.30	2.18	2.06	1.96
	456.26	SGU L/150	19.88	16.78	14.37	12.47	10.93	9.66	8.61	7.73	6.98	6.32	5.77	5.28	4.85	4.48	4.14	3.84	3.58	3.34	3.12	2.93	2.75	2.59	2.44	2.30	2.18	2.06	1.92
	456.26	SGU L/200	19.88	16.78	14.37	12.47	10.93	9.66	8.61	7.73	6.98	6.32	5.77	5.28	4.85	4.48	4.14	3.84	3.58	3.34	3.12	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	19.88	16.78	14.37	12.47	10.93	9.66	8.61	7.73	6.98	6.32	5.77	5.28	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	26.37	22.18	18.95	16.39	14.33	12.64	11.25	10.07	9.07	8.22	7.48	6.84	6.28	5.79	5.35	4.96	4.61	4.30	4.01	3.76	3.53	3.32	3.13	2.95	2.79	2.64	2.50
	547.51	SGU L/150	26.37	22.18	18.95	16.39	14.33	12.64	11.25	10.07	9.07	8.22	7.48	6.84	6.28	5.79	5.35	4.96	4.61	4.30	4.01	3.76	3.53	3.32	3.13	2.95	2.77	2.52	2.31
	547.51	SGU L/200	26.37	22.18	18.95	16.39	14.33	12.64	11.25	10.07	9.07	8.22	7.48	6.84	6.28	5.79	5.35	4.96	4.61	4.30	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	26.37	22.18	18.95	16.39	14.33	12.64	11.25	10.07	9.07	8.22	7.48	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans:		3	support: 60 - 160 - 160 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.49	1.43	1.36	1.31	1.25	1.21	1.16	1.09	1.03	0.98	0.93	0.88	0.84	0.80
	213.40	SGU L/150	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.49	1.43	1.36	1.31	1.25	1.21	1.16	1.09	1.03	0.98	0.93	0.86	0.78	0.72
	219.01	SGU L/200	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.49	1.43	1.36	1.31	1.25	1.20	1.07	0.96	0.87	0.79	0.71	0.65	0.59	0.54
		SGU L/300	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.49	1.32	1.16	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	2.01	1.92	1.81	1.70	1.59	1.50	1.42	1.34	1.27	1.20	1.14	1.08	1.03
	251.62	SGU L/150	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	2.01	1.92	1.81	1.70	1.59	1.50	1.42	1.34	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	2.01	1.92	1.79	1.59	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.45	2.32	2.06	1.79	1.56	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	3.04	2.87	2.72	2.58	2.46	2.32	2.17	2.02	1.90	1.78	1.68	1.58	1.49	1.41	1.34	1.27	1.21	1.15
	270.29	SGU L/150	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	3.04	2.87	2.72	2.58	2.46	2.32	2.17	2.02	1.90	1.78	1.68	1.58	1.45	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	3.04	2.87	2.72	2.58	2.46	2.32	2.17	1.92	1.70	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	3.04	2.87	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.74	3.52	3.33	3.15	3.00	2.78	2.59	2.41	2.25	2.11	1.98	1.86	1.75	1.66	1.57	1.48	1.41	1.34	1.27
	288.89	SGU L/150	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.74	3.52	3.33	3.15	3.00	2.78	2.59	2.41	2.25	2.11	1.98	1.86	1.72	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.74	3.52	3.33	3.15	3.00	2.78	2.59	2.33	2.05	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.74	3.52	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.36	4.12	3.79	3.50	3.24	3.01	2.80	2.61	2.44	2.29	2.15	2.03	1.91	1.81	1.71	1.62	1.54	1.46
	318.89	SGU L/150	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.36	4.12	3.79	3.50	3.24	3.01	2.80	2.61	2.44	2.29	2.12	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.36	4.12	3.79	3.50	3.24	2.94	2.57	2.27	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	6.00	5.47	5.00	4.59	4.23	3.92	3.63	3.38	3.15	2.95	2.76	2.59	2.44	2.30	2.17	2.05	1.95	1.85	1.75
	363.60	SGU L/150	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	6.00	5.47	5.00	4.59	4.23	3.92	3.63	3.38	3.15	2.95	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	6.00	5.47	5.00	4.59	4.23	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	5.80	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	15.92	14.15	12.74	11.58	10.61	9.80	9.10	8.19	7.41	6.74	6.15	5.65	5.20	4.80	4.45	4.14	3.85	3.60	3.37	3.16	2.98	2.80	2.65	2.50	2.37	2.25	2.13
	418.89	SGU L/150	15.92	14.15	12.74	11.58	10.61	9.80	9.10	8.19	7.41	6.74	6.15	5.65	5.20	4.80	4.45	4.14	3.85	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	15.92	14.15	12.74	11.58	10.61	9.80	9.10	8.19	7.41	6.74	6.15	5.65	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	15.92	14.15	12.74	11.58	10.61	9.80	9.10	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	18.80	16.71	15.04	13.68	12.54	11.56	10.32	9.27	8.38	7.62	6.95	6.37	5.86	5.41	5.01	4.66	4.34	4.05	3.79	3.56	3.34	3.15	2.97	2.81	2.66	2.52	2.39
	456.26	SGU L/150	18.80	16.71	15.04	13.68	12.54	11.56	10.32	9.27	8.38	7.62	6.95	6.37	5.86	5.41	5.01	4.66	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	18.80	16.71	15.04	13.68	12.54	11.56	10.32	9.27	8.38	7.62	6.95	6.37	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	18.80	16.71	15.04	13.68	12.54	11.56	10.32	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	26.98	23.98	21.59	19.58	17.15	15.16	13.51	12.12	10.92	9.91	9.04	8.28	7.61	7.01	6.49	6.02	5.60	5.23	4.89	4.58	4.30	4.05	3.82	3.60	3.41	3.23	3.06
	547.51	SGU L/150	26.98	23.98	21.59	19.58	17.15	15.16	13.51	12.12	10.92	9.91	9.04	8.28	7.61	7.01	6.49	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	26.98	23.98	21.59	19.58	17.15	15.16	13.51	12.12	10.92	9.91	9.04	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	26.98	23.98	21.59	19.58	17.15	15.16	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91



T130

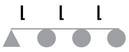
S280 GD



T130-v2			Positive																										
Number of spans:		**1**	**support: 60 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.16	1.11	1.06	1.02	0.99	0.95	0.92	0.89	0.86	0.83	0.81	0.78
	204.21	SGU L/150	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.14	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.68	1.61	1.54	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.13	1.07	1.00
	245.24	SGU L/150	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	2.03	1.94	1.85	1.78	1.71	1.64	1.58	1.52	1.47	1.41	1.32	1.24	1.16	1.09
	265.30	SGU L/150	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.32	2.22	2.12	2.03	1.95	1.88	1.81	1.74	1.64	1.53	1.43	1.34	1.26	1.19
	286.60	SGU L/150	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.10	5.42	4.88	4.43	4.06	3.75	3.48	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.12	1.97	1.84	1.72	1.61	1.51	1.42	1.34
	316.73	SGU L/150	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.41	6.59	5.93	5.39	4.94	4.56	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	4.05	3.85	3.66	3.50	3.34	3.14	2.89	2.68	2.48	2.31	2.15	2.01	1.88	1.77	1.66	1.57
	360.77	SGU L/150	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	9.62	8.55	7.69	6.99	6.41	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.99	5.66	5.36	5.09	4.85	4.43	4.06	3.73	3.43	3.17	2.94	2.74	2.55	2.38	2.23	2.10	1.97	1.86
	417.99	SGU L/150	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	12.74	11.32	10.19	9.26	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	7.08	6.69	6.33	5.93	5.38	4.90	4.49	4.12	3.80	3.51	3.26	3.03	2.82	2.64	2.47	2.32	2.18	2.05
	456.26	SGU L/150	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	15.04	13.37	12.03	10.94	10.03	9.26	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	15.04	13.37	12.03	10.94	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.51	10.79	10.16	9.14	8.20	7.40	6.71	6.12	5.60	5.14	4.74	4.38	4.06	3.78	3.52	3.29	3.08	2.89	2.72	2.56
	547.51	SGU L/150	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	21.59	19.19	17.27	15.70	14.39	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	21.59	19.19	17.27	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans:		**2**	**support: 60 - 300 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.44	3.94	3.55	3.23	2.96	2.73	2.53	2.37	2.22	2.09	1.97	1.87	1.77	1.64	1.52	1.42	1.32	1.24	1.16	1.09	1.02	0.96	0.91	0.86	0.81	0.77	0.73
	204.21	SGU L/150	4.44	3.94	3.55	3.23	2.96	2.73	2.53	2.37	2.22	2.09	1.97	1.87	1.77	1.64	1.52	1.42	1.32	1.24	1.16	1.09	1.02	0.96	0.91	0.86	0.81	0.77	0.73
	219.01	SGU L/200	4.44	3.94	3.55	3.23	2.96	2.73	2.53	2.37	2.22	2.09	1.97	1.87	1.77	1.64	1.52	1.42	1.32	1.24	1.16	1.09	1.02	0.96	0.91	0.86	0.81	0.76	0.69
		SGU L/300	4.44	3.94	3.55	3.23	2.96	2.73	2.53	2.37	2.22	2.09	1.97	1.87	1.77	1.64	1.52	1.42	1.31	1.16	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.15	5.47	4.92	4.48	4.10	3.79	3.52	3.28	3.08	2.90	2.69	2.46	2.27	2.09	1.94	1.80	1.68	1.57	1.47	1.38	1.29	1.22	1.15	1.09	1.03	0.97	0.93
	245.24	SGU L/150	6.15	5.47	4.92	4.48	4.10	3.79	3.52	3.28	3.08	2.90	2.69	2.46	2.27	2.09	1.94	1.80	1.68	1.57	1.47	1.38	1.29	1.22	1.15	1.09	1.03	0.97	0.93
	255.51	SGU L/200	6.15	5.47	4.92	4.48	4.10	3.79	3.52	3.28	3.08	2.90	2.69	2.46	2.27	2.09	1.94	1.80	1.68	1.57	1.47	1.38	1.29	1.22	1.15	1.06	0.97	0.88	0.81
		SGU L/300	6.15	5.47	4.92	4.48	4.10	3.79	3.52	3.28	3.08	2.90	2.69	2.46	2.27	2.09	1.94	1.74	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.11	6.32	5.69	5.17	4.74	4.37	4.06	3.79	3.55	3.27	2.98	2.73	2.51	2.32	2.15	2.00	1.86	1.73	1.62	1.52	1.43	1.35	1.27	1.20	1.14	1.08	1.02
	265.30	SGU L/150	7.11	6.32	5.69	5.17	4.74	4.37	4.06	3.79	3.55	3.27	2.98	2.73	2.51	2.32	2.15	2.00	1.86	1.73	1.62	1.52	1.43	1.35	1.27	1.20	1.14	1.08	1.02
	273.76	SGU L/200	7.11	6.32	5.69	5.17	4.74	4.37	4.06	3.79	3.55	3.27	2.98	2.73	2.51	2.32	2.15	2.00	1.86	1.73	1.62	1.52	1.43	1.35	1.26	1.14	1.04	0.95	0.86
		SGU L/300	7.11	6.32	5.69	5.17	4.74	4.37	4.06	3.79	3.55	3.27	2.98	2.73	2.51	2.32	2.13	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.13	7.22	6.50	5.91	5.42	5.00	4.64	4.33	3.97	3.61	3.29	3.01	2.77	2.55	2.36	2.19	2.04	1.91	1.78	1.67	1.57	1.48	1.39	1.32	1.25	1.18	1.12
	286.60	SGU L/150	8.13	7.22	6.50	5.91	5.42	5.00	4.64	4.33	3.97	3.61	3.29	3.01	2.77	2.55	2.36	2.19	2.04	1.91	1.78	1.67	1.57	1.48	1.39	1.32	1.25	1.18	1.12
	292.01	SGU L/200	8.13	7.22	6.50	5.91	5.42	5.00	4.64	4.33	3.97	3.61	3.29	3.01	2.77	2.55	2.36	2.19	2.04	1.91	1.78	1.67	1.57	1.48	1.34	1.22	1.11	1.01	0.92
		SGU L/300	8.13	7.22	6.50	5.91	5.42	5.00	4.64	4.33	3.97	3.61	3.29	3.01	2.77	2.55	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	9.89	8.79	7.91	7.19	6.59	6.08	5.65	5.08	4.58	4.16	3.79	3.47	3.19	2.94	2.72	2.52	2.34	2.19	2.04	1.92	1.80	1.69	1.60	1.51	1.42	1.35	1.28
	316.73	SGU L/150	9.89	8.79	7.91	7.19	6.59	6.08	5.65	5.08	4.58	4.16	3.79	3.47	3.19	2.94	2.72	2.52	2.34	2.19	2.04	1.92	1.80	1.69	1.60	1.51	1.42	1.35	1.28
	321.21	SGU L/200	9.89	8.79	7.91	7.19	6.59	6.08	5.65	5.08	4.58	4.16	3.79	3.47	3.19	2.94	2.72	2.52	2.34	2.19	2.04	1.92	1.80	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	9.89	8.79	7.91	7.19	6.59	6.08	5.65	5.08	4.58	4.16	3.79	3.47	3.19	2.87	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	12.82	11.40	10.26	9.32	8.55	7.71	6.86	6.14	5.54	5.02	4.57	4.18	3.83	3.53	3.26	3.02	2.81	2.62	2.45	2.29	2.15	2.02	1.91	1.80	1.70	1.61	1.53
	360.77	SGU L/150	12.82	11.40	10.26	9.32	8.55	7.71	6.86	6.14	5.54	5.02	4.57	4.18	3.83	3.53	3.26	3.02	2.81	2.62	2.45	2.29	2.15	2.02	1.91	1.80	1.70	1.61	1.53
	365.01	SGU L/200	12.82	11.40	10.26	9.32	8.55	7.71	6.86	6.14	5.54	5.02	4.57	4.18	3.83	3.53	3.26	3.02	2.81	2.62	2.45	2.29	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	12.82	11.40	10.26	9.32	8.55	7.71	6.86	6.14	5.54	5.02	4.57	4.18	3.78	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	16.98	15.10	13.59	12.33	10.76	9.48	8.42	7.53	6.78	6.14	5.59	5.10	4.68	4.31	3.98	3.68	3.42	3.19	2.98	2.79	2.61	2.46	2.31	2.18	2.06	1.95	1.85
	417.99	SGU L/150	16.98	15.10	13.59	12.33	10.76	9.48	8.42	7.53	6.78	6.14	5.59	5.10	4.68	4.31	3.98	3.68	3.42	3.19	2.98	2.79	2.61	2.46	2.31	2.18	2.06	1.93	1.77
	419.75	SGU L/200	16.98	15.10	13.59	12.33	10.76	9.48	8.42	7.53	6.78	6.14	5.59	5.10	4.68	4.31	3.98	3.68	3.42	3.19	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	16.98	15.10	13.59	12.33	10.76	9.48	8.42	7.53	6.78	6.14	5.59	5.06	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	20.06	17.83	16.05	13.95	12.17	10.71	9.50	8.50	7.63	6.91	6.28	5.74	5.26	4.84	4.46	4.13	3.84	3.57	3.34	3.12	2.93	2.75	2.59	2.44	2.31	2.18	2.06
	456.26	SGU L/150	20.06	17.83	16.05	13.95	12.17	10.71	9.50	8.50	7.63	6.91	6.28	5.74	5.26	4.84	4.46	4.13	3.84	3.57	3.34	3.12	2.93	2.75	2.59	2.44	2.30	2.10	1.92
	456.26	SGU L/200	20.06	17.83	16.05	13.95	12.17	10.71	9.50	8.50	7.63	6.91	6.28	5.74	5.26	4.84	4.46	4.13	3.84	3.57	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	20.06	17.83	16.05	13.95	12.17	10.71	9.50	8.50	7.63	6.91	6.28	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	28.78	24.90	21.14	18.19	15.82	13.90	12.31	10.98	9.85	8.90	8.08	7.37	6.75	6.20	5.72	5.29	4.91	4.57	4.26	3.98	3.73	3.50	3.29	3.08	2.89	2.72	2.56
	547.51	SGU L/150	28.78	24.90	21.14	18.19	15.82	13.90	12.31	10.98	9.85	8.90	8.08	7.37	6.75	6.20	5.72	5.29	4.91	4.57	4.26	3.98	3.73	3.50	3.29	3.04	2.77	2.52	2.31
	547.51	SGU L/200	28.78	24.90	21.14	18.19	15.82	13.90	12.31	10.98	9.85	8.90	8.08	7.37	6.75	6.20	5.72	5.29	4.91	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	28.78	24.90	21.14	18.19	15.82	13.90	12.31	10.98	9.85	8.90	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans:		**3**	**support: 60 - 300 - 300 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.66	1.58	1.51	1.45	1.39	1.33	1.28	1.23	1.19	1.15	1.10	1.04	0.99	0.94	0.89
	204.21	SGU L/150	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.66	1.58	1.51	1.45	1.39	1.33	1.28	1.23	1.19	1.12	1.02	0.93	0.85	0.78	0.71
	219.01	SGU L/200	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.66	1.58	1.51	1.45	1.39	1.32	1.18	1.06	0.96	0.87	0.79	0.71	0.65	0.59	0.54
		SGU L/300	4.16	3.70	3.33	3.02	2.77	2.56	2.38	2.22	2.08	1.96	1.85	1.75	1.66	1.49	1.31	1.15	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.56	2.43	2.31	2.20	2.10	2.01	1.92	1.85	1.78	1.67	1.57	1.48	1.40	1.32	1.25	1.19	1.13
	245.24	SGU L/150	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.56	2.43	2.31	2.20	2.10	2.01	1.92	1.85	1.78	1.67	1.50	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.56	2.43	2.31	2.20	2.10	2.01	1.79	1.59	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.88	2.71	2.56	2.39	2.06	1.79	1.56	1.37	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.33	3.14	2.96	2.81	2.67	2.54	2.42	2.32	2.22	2.10	1.97	1.85	1.74	1.64	1.55	1.46	1.38	1.31	1.25
	265.30	SGU L/150	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.33	3.14	2.96	2.81	2.67	2.54	2.42	2.32	2.22	2.10	1.97	1.79	1.61	1.45	1.31	1.19	1.09	0.99	0.91
	273.76	SGU L/200	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.33	3.14	2.96	2.81	2.67	2.54	2.42	2.18	1.92	1.71	1.52	1.36	1.22	1.10	0.99	0.90	0.82	0.74	0.68
		SGU L/300	6.66	5.92	5.33	4.85	4.44	4.10	3.81	3.55	3.33	3.14	2.96	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.06	3.81	3.59	3.39	3.21	3.05	2.90	2.77	2.65	2.48	2.31	2.16	2.03	1.91	1.80	1.70	1.60	1.52	1.44	1.37
	286.60	SGU L/150	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.06	3.81	3.59	3.39	3.21	3.05	2.90	2.77	2.65	2.48	2.31	2.14	1.92	1.72	1.55	1.41	1.27	1.16	1.06	0.97
	292.01	SGU L/200	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.06	3.81	3.59	3.39	3.21	3.05	2.90	2.66	2.33	2.06	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	7.62	6.77	6.10	5.54	5.08	4.69	4.35	4.06	3.81	3.59	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.36	4.12	3.90	3.71	3.53	3.29	3.06	2.85	2.66	2.49	2.33	2.19	2.06	1.94	1.84	1.74	1.65	1.56
	316.73	SGU L/150	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.36	4.12	3.90	3.71	3.53	3.29	3.06	2.85	2.66	2.37	2.12	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.36	4.12	3.90	3.71	3.38	2.94	2.58	2.27	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	6.01	5.66	5.34	5.05	4.64	4.28	3.96	3.67	3.42	3.19	2.98	2.79	2.62	2.47	2.33	2.20	2.08	1.97	1.87
	360.77	SGU L/150	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	6.01	5.66	5.34	5.05	4.64	4.28	3.96	3.67	3.42	3.04	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	6.01	5.66	5.34	5.05	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	5.80	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	15.92	14.15	12.74	11.58	10.61	9.80	9.10	8.49	7.96	7.42	6.76	6.18	5.68	5.23	4.83	4.48	4.17	3.88	3.63	3.40	3.19	3.00	2.83	2.67	2.52	2.39	2.27
	417.99	SGU L/150	15.92	14.15	12.74	11.58	10.61	9.80	9.10	8.49	7.96	7.42	6.76	6.18	5.68	5.23	4.83	4.48	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	15.92	14.15	12.74	11.58	10.61	9.80	9.10	8.49	7.96	7.42	6.76	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	15.92	14.15	12.74	11.58	10.61	9.80	9.10	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	18.80	16.71	15.04	13.68	12.54	11.57	10.74	10.03	9.23	8.35	7.61	6.96	6.39	5.88	5.43	5.03	4.68	4.36	4.07	3.81	3.58	3.36	3.17	2.99	2.83	2.67	2.54
	456.26	SGU L/150	18.80	16.71	15.04	13.68	12.54	11.57	10.74	10.03	9.23	8.35	7.61	6.96	6.39	5.88	5.43	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	18.80	16.71	15.04	13.68	12.54	11.57	10.74	10.03	9.23	8.35	7.61	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	18.80	16.71	15.04	13.68	12.54	11.57	10.74	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	26.98	23.98	21.59	19.62	17.99	16.60	14.87	13.28	11.94	10.79	9.81	8.96	8.21	7.55	6.97	6.45	5.99	5.58	5.21	4.87	4.57	4.29	4.04	3.81	3.60	3.40	3.20
	547.51	SGU L/150	26.98	23.98	21.59	19.62	17.99	16.60	14.87	13.28	11.94	10.79	9.81	8.96	8.21	7.55	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	26.98	23.98	21.59	19.62	17.99	16.60	14.87	13.28	11.94	10.79	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	26.98	23.98	21.59	19.62	17.99	16.21	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S280 GD



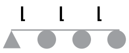
T130-v2			Negative																										
Number of spans:		1	support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.20	1.14	1.09	1.05	1.00	0.97	0.93	0.90	0.87	0.84	0.81	0.78	0.76	0.74
	213.40	SGU L/150	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.20	1.14	1.09	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	219.01	SGU L/200	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.60	1.53	1.47	1.41	1.36	1.31	1.26	1.22	1.18	1.14	1.10	1.06	1.00
	251.62	SGU L/150	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.60	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.80	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.31	1.23	1.15	1.09
	270.29	SGU L/150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.66	2.52	2.40	2.28	2.18	2.08	2.00	1.92	1.84	1.78	1.71	1.62	1.52	1.42	1.33	1.25	1.18
	288.89	SGU L/150	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.66	2.52	2.40	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	5.99	5.33	4.79	4.36	3.99	3.69	3.42	3.20	3.00	2.82	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	5.99	5.33	4.79	4.36	3.99	3.69	3.42	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.11	1.96	1.83	1.71	1.60	1.50	1.41	1.33
	318.89	SGU L/150	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.41	6.59	5.93	5.39	4.94	4.56	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	4.05	3.85	3.66	3.50	3.34	3.13	2.89	2.67	2.47	2.30	2.14	2.00	1.88	1.76	1.66	1.56
	363.60	SGU L/150	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.81	4.52	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	9.62	8.55	7.69	6.99	6.41	5.92	5.49	5.13	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	9.62	8.55	7.69	6.99	6.41	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.99	5.66	5.36	5.09	4.85	4.44	4.06	3.73	3.44	3.18	2.95	2.74	2.55	2.39	2.23	2.10	1.97	1.86
	418.89	SGU L/150	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.79	6.37	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	12.74	11.32	10.19	9.26	8.49	7.84	7.28	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	12.74	11.32	10.19	9.26	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	7.08	6.69	6.33	5.94	5.39	4.91	4.49	4.13	3.80	3.52	3.26	3.03	2.83	2.64	2.47	2.32	2.18	2.06
	456.26	SGU L/150	15.04	13.37	12.03	10.94	10.03	9.26	8.60	8.02	7.52	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	15.04	13.37	12.03	10.94	10.03	9.26	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	15.04	13.37	12.03	10.94	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.51	10.79	10.16	9.14	8.20	7.40	6.71	6.12	5.60	5.14	4.74	4.38	4.06	3.78	3.52	3.29	3.08	2.89	2.72	2.56
	547.51	SGU L/150	21.59	19.19	17.27	15.70	14.39	13.28	12.33	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	21.59	19.19	17.27	15.70	14.39	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	21.59	19.19	17.27	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans:		2	support: 60 - 300 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.23	2.09	1.97	1.86	1.76	1.67	1.59	1.48	1.38	1.29	1.20	1.13	1.06	1.00	0.94	0.89	0.84	0.80	0.76	0.72
	213.40	SGU L/150	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.23	2.09	1.97	1.86	1.76	1.67	1.59	1.48	1.38	1.29	1.20	1.13	1.06	1.00	0.94	0.89	0.84	0.80	0.76	0.72
	219.01	SGU L/200	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.23	2.09	1.97	1.86	1.76	1.67	1.59	1.48	1.38	1.29	1.20	1.13	1.06	1.00	0.94	0.89	0.84	0.80	0.75	0.69
		SGU L/300	4.18	3.72	3.35	3.04	2.79	2.57	2.39	2.23	2.09	1.97	1.86	1.76	1.67	1.59	1.48	1.38	1.29	1.16	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	5.88	5.23	4.71	4.28	3.92	3.62	3.36	3.14	2.94	2.77	2.62	2.43	2.24	2.07	1.92	1.78	1.66	1.55	1.45	1.36	1.28	1.21	1.14	1.08	1.02	0.97	0.92
	251.62	SGU L/150	5.88	5.23	4.71	4.28	3.92	3.62	3.36	3.14	2.94	2.77	2.62	2.43	2.24	2.07	1.92	1.78	1.66	1.55	1.45	1.36	1.28	1.21	1.14	1.08	1.02	0.97	0.92
	255.51	SGU L/200	5.88	5.23	4.71	4.28	3.92	3.62	3.36	3.14	2.94	2.77	2.62	2.43	2.24	2.07	1.92	1.78	1.66	1.55	1.45	1.36	1.28	1.21	1.14	1.06	0.97	0.88	0.81
		SGU L/300	5.88	5.23	4.71	4.28	3.92	3.62	3.36	3.14	2.94	2.77	2.62	2.43	2.24	2.07	1.92	1.74	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	6.88	6.12	5.51	5.01	4.59	4.24	3.93	3.67	3.44	3.24	2.96	2.71	2.50	2.30	2.13	1.98	1.85	1.72	1.61	1.51	1.42	1.34	1.26	1.20	1.13	1.07	1.02
	270.29	SGU L/150	6.88	6.12	5.51	5.01	4.59	4.24	3.93	3.67	3.44	3.24	2.96	2.71	2.50	2.30	2.13	1.98	1.85	1.72	1.61	1.51	1.42	1.34	1.26	1.20	1.13	1.07	1.02
	273.76	SGU L/200	6.88	6.12	5.51	5.01	4.59	4.24	3.93	3.67	3.44	3.24	2.96	2.71	2.50	2.30	2.13	1.98	1.85	1.72	1.61	1.51	1.42	1.34	1.26	1.14	1.04	0.95	0.86
		SGU L/300	6.88	6.12	5.51	5.01	4.59	4.24	3.93	3.67	3.44	3.24	2.96	2.71	2.50	2.30	2.13	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	7.99	7.10	6.39	5.81	5.33	4.92	4.57	4.26	3.96	3.60	3.28	3.01	2.77	2.55	2.36	2.19	2.04	1.91	1.78	1.67	1.57	1.48	1.40	1.32	1.25	1.18	1.12
	288.89	SGU L/150	7.99	7.10	6.39	5.81	5.33	4.92	4.57	4.26	3.96	3.60	3.28	3.01	2.77	2.55	2.36	2.19	2.04	1.91	1.78	1.67	1.57	1.48	1.40	1.32	1.25	1.18	1.12
	292.01	SGU L/200	7.99	7.10	6.39	5.81	5.33	4.92	4.57	4.26	3.96	3.60	3.28	3.01	2.77	2.55	2.36	2.19	2.04	1.91	1.78	1.67	1.57	1.48	1.34	1.22	1.11	1.01	0.92
		SGU L/300	7.99	7.10	6.39	5.81	5.33	4.92	4.57	4.26	3.96	3.60	3.28	3.01	2.77	2.55	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	9.89	8.79	7.91	7.19	6.59	6.08	5.65	5.10	4.60	4.17	3.80	3.48	3.20	2.95	2.73	2.53	2.35	2.20	2.05	1.92	1.81	1.70	1.60	1.51	1.43	1.36	1.29
	318.89	SGU L/150	9.89	8.79	7.91	7.19	6.59	6.08	5.65	5.10	4.60	4.17	3.80	3.48	3.20	2.95	2.73	2.53	2.35	2.20	2.05	1.92	1.81	1.70	1.60	1.51	1.43	1.36	1.29
	321.21	SGU L/200	9.89	8.79	7.91	7.19	6.59	6.08	5.65	5.10	4.60	4.17	3.80	3.48	3.20	2.95	2.73	2.53	2.35	2.20	2.05	1.92	1.81	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	9.89	8.79	7.91	7.19	6.59	6.08	5.65	5.10	4.60	4.17	3.80	3.48	3.20	2.87	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	12.82	11.40	10.26	9.32	8.55	7.73	6.88	6.16	5.55	5.03	4.58	4.19	3.84	3.54	3.27	3.03	2.82	2.63	2.45	2.30	2.16	2.03	1.91	1.80	1.71	1.61	1.53
	363.60	SGU L/150	12.82	11.40	10.26	9.32	8.55	7.73	6.88	6.16	5.55	5.03	4.58	4.19	3.84	3.54	3.27	3.03	2.82	2.63	2.45	2.30	2.16	2.03	1.91	1.80	1.71	1.61	1.53
	365.01	SGU L/200	12.82	11.40	10.26	9.32	8.55	7.73	6.88	6.16	5.55	5.03	4.58	4.19	3.84	3.54	3.27	3.03	2.82	2.63	2.45	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	12.82	11.40	10.26	9.32	8.55	7.73	6.88	6.16	5.55	5.03	4.58	4.19	3.78	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	16.98	15.10	13.59	12.35	10.78	9.49	8.43	7.54	6.79	6.14	5.59	5.10	4.68	4.31	3.98	3.68	3.42	3.19	2.98	2.79	2.61	2.46	2.31	2.18	2.06	1.95	1.85
	418.89	SGU L/150	16.98	15.10	13.59	12.35	10.78	9.49	8.43	7.54	6.79	6.14	5.59	5.10	4.68	4.31	3.98	3.68	3.42	3.19	2.98	2.79	2.61	2.46	2.31	2.18	2.06	1.93	1.77
	419.75	SGU L/200	16.98	15.10	13.59	12.35	10.78	9.49	8.43	7.54	6.79	6.14	5.59	5.10	4.68	4.31	3.98	3.68	3.42	3.19	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	16.98	15.10	13.59	12.35	10.78	9.49	8.43	7.54	6.79	6.14	5.59	5.06	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	20.06	17.83	16.05	13.97	12.18	10.72	9.51	8.50	7.64	6.90	6.28	5.73	5.25	4.83	4.46	4.13	3.83	3.57	3.33	3.12	2.92	2.75	2.59	2.44	2.30	2.18	2.05
	456.26	SGU L/150	20.06	17.83	16.05	13.97	12.18	10.72	9.51	8.50	7.64	6.90	6.28	5.73	5.25	4.83	4.46	4.13	3.83	3.57	3.33	3.12	2.92	2.75	2.59	2.44	2.30	2.10	1.92
	456.26	SGU L/200	20.06	17.83	16.05	13.97	12.18	10.72	9.51	8.50	7.64	6.90	6.28	5.73	5.25	4.83	4.46	4.13	3.83	3.57	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	20.06	17.83	16.05	13.97	12.18	10.72	9.51	8.50	7.64	6.90	6.28	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	28.78	24.93	21.16	18.20	15.83	13.90	12.31	10.99	9.85	8.90	8.09	7.37	6.75	6.20	5.72	5.29	4.91	4.57	4.26	3.98	3.73	3.50	3.29	3.08	2.89	2.72	2.56
	547.51	SGU L/150	28.78	24.93	21.16	18.20	15.83	13.90	12.31	10.99	9.85	8.90	8.09	7.37	6.75	6.20	5.72	5.29	4.91	4.57	4.26	3.98	3.73	3.50	3.29	3.04	2.77	2.52	2.31
	547.51	SGU L/200	28.78	24.93	21.16	18.20	15.83	13.90	12.31	10.99	9.85	8.90	8.09	7.37	6.75	6.20	5.72	5.29	4.91	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	28.78	24.93	21.16	18.20	15.83	13.90	12.31	10.99	9.85	8.90	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans:		3	support: 60 - 300 - 300 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.49	1.43	1.36	1.31	1.25	1.21	1.16	1.12	1.08	1.05	1.01	0.97	0.92	0.87
	213.40	SGU L/150	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.49	1.43	1.36	1.31	1.25	1.21	1.16	1.12	1.08	1.04	0.95	0.86	0.79	0.72
	219.01	SGU L/200	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.49	1.43	1.36	1.31	1.25	1.20	1.07	0.96	0.87	0.79	0.71	0.65	0.59	0.54
		SGU L/300	3.92	3.49	3.14	2.85	2.61	2.41	2.24	2.09	1.96	1.85	1.74	1.65	1.57	1.49	1.32	1.16	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	2.01	1.92	1.84	1.77	1.70	1.63	1.55	1.47	1.38	1.31	1.24	1.18	1.12
	251.62	SGU L/150	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	2.01	1.92	1.84	1.77	1.70	1.63	1.50	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	2.01	1.92	1.79	1.59	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	5.52	4.90	4.41	4.01	3.68	3.39	3.15	2.94	2.76	2.60	2.45	2.32	2.06	1.79	1.56	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	3.04	2.87	2.72	2.58	2.46	2.35	2.24	2.15	2.06	1.96	1.84	1.73	1.63	1.54	1.45	1.38	1.31	1.24
	270.29	SGU L/150	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	3.04	2.87	2.72	2.58	2.46	2.35	2.24	2.15	2.06	1.96	1.80	1.61	1.45	1.31	1.19	1.08	0.99	0.91
	273.76	SGU L/200	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	3.04	2.87	2.72	2.58	2.46	2.35	2.18	1.92	1.70	1.52	1.36	1.22	1.10	0.99	0.90	0.82	0.74	0.68
		SGU L/300	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23	3.04	2.87	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.74	3.52	3.33	3.15	3.00	2.85	2.72	2.61	2.48	2.31	2.17	2.03	1.91	1.80	1.70	1.61	1.52	1.44	1.37
	288.89	SGU L/150	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.74	3.52	3.33	3.15	3.00	2.85	2.72	2.61	2.48	2.31	2.15	1.92	1.73	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.74	3.52	3.33	3.15	3.00	2.85	2.66	2.33	2.06	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	7.49	6.66	5.99	5.45	4.99	4.61	4.28	3.99	3.74	3.52	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.36	4.12	3.90	3.71	3.53	3.30	3.07	2.86	2.67	2.50	2.34	2.20	2.07	1.95	1.85	1.75	1.66	1.57
	318.89	SGU L/150	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.36	4.12	3.90	3.71	3.53	3.30	3.07	2.86	2.67	2.37	2.12	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.36	4.12	3.90	3.71	3.38	2.94	2.58	2.27	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.27	8.24	7.41	6.74	6.18	5.70	5.30	4.94	4.63	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	6.01	5.66	5.34	5.06	4.65	4.29	3.97	3.68	3.43	3.20	2.99	2.80	2.63	2.48	2.33	2.20	2.08	1.97	1.87
	363.60	SGU L/150	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	6.01	5.66	5.34	5.06	4.65	4.29	3.97	3.68	3.43	3.04	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	6.01	5.66	5.34	5.06	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.02	10.68	9.62	8.74	8.01	7.40	6.87	6.41	5.80	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	15.92	14.15	12.74	11.58	10.61	9.80	9.10	8.49	7.96	7.42	6.76	6.18	5.68	5.23	4.83	4.48	4.17	3.88	3.63	3.40	3.19	3.00	2.83	2.67	2.52	2.39	2.27
	418.89	SGU L/150	15.92	14.15	12.74	11.58	10.61	9.80	9.10	8.49	7.96	7.42	6.76	6.18	5.68	5.23	4.83	4.48	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	15.92	14.15	12.74	11.58	10.61	9.80	9.10	8.49	7.96	7.42	6.76	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	15.92	14.15	12.74	11.58	10.61	9.80	9.10	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	18.80	16.71	15.04	13.68	12.54	11.57	10.74	10.03	9.24	8.36	7.60	6.95	6.38	5.87	5.43	5.03	4.67	4.35	4.07	3.81	3.57	3.36	3.16	2.99	2.82	2.67	2.53
	456.26	SGU L/150	18.80	16.71	15.04	13.68	12.54	11.57	10.74	10.03	9.24	8.36	7.60	6.95	6.38	5.87	5.43	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	18.80	16.71	15.04	13.68	12.54	11.57	10.74	10.03	9.24	8.36	7.60	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	18.80	16.71	15.04	13.68	12.54	11.57	10.74	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	26.98	23.98	21.59	19.62	17.99	16.60	14.87	13.29	11.93	10.79	9.81	8.96	8.21	7.55	6.97	6.45	5.99	5.58	5.21	4.87	4.57	4.29	4.04	3.81	3.60	3.40	3.20
	547.51	SGU L/150	26.98	23.98	21.59	19.62	17.99	16.60	14.87	13.29	11.93	10.79	9.81	8.96	8.21	7.55	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	26.98	23.98	21.59	19.62	17.99	16.60	14.87	13.29	11.93	10.79	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	26.98	23.98	21.59	19.62	17.99	16.21	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S320 GD

T130-v2			Positive																										
Number of spans:		1	support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.24	1.19	1.14	1.09	1.05	1.02	0.98	0.95	0.92	0.89	0.86	0.84
	202.30	SGU L/150	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.19	1.12
	240.90	SGU L/150	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.79	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.13	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.07	1.98	1.90	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.39	1.31	1.23
	259.97	SGU L/150	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.70	5.07	4.56	4.15	3.80	3.51	3.25	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.61	2.48	2.37	2.27	2.17	2.09	2.00	1.93	1.86	1.80	1.73	1.62	1.52	1.43	1.35
	282.23	SGU L/150	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	2.95	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.52	5.79	5.21	4.74	4.34	4.01	3.53	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.34	3.17	3.02	2.88	2.76	2.64	2.54	2.44	2.35	2.24	2.09	1.95	1.83	1.72	1.62	1.52
	313.34	SGU L/150	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.14	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.93	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.93	7.05	6.34	5.76	5.28	4.88	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.57	4.33	4.11	3.92	3.74	3.58	3.43	3.29	3.05	2.82	2.63	2.45	2.29	2.14	2.01	1.89	1.78
	359.00	SGU L/150	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.47	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.28	9.14	8.22	7.48	6.85	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	6.41	6.05	5.73	5.45	5.19	4.95	4.62	4.24	3.91	3.62	3.35	3.12	2.91	2.72	2.54	2.39	2.24	2.11
	416.12	SGU L/150	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	13.62	12.10	10.89	9.90	9.08	8.38	7.78	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	13.62	12.10	10.89	9.90	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	8.04	7.57	7.15	6.77	6.43	6.13	5.59	5.12	4.70	4.33	4.00	3.71	3.45	3.22	3.01	2.82	2.64	2.49	2.34
	453.28	SGU L/150	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	7.62	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.08	14.29	12.87	11.70	10.72	9.90	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.08	14.29	12.87	11.69	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	23.08	20.51	18.46	16.78	15.38	14.20	13.19	12.31	11.54	10.86	10.26	9.36	8.45	7.67	6.98	6.39	5.87	5.41	5.00	4.64	4.31	4.02	3.76	3.52	3.30	3.10	2.92
	547.51	SGU L/150	23.08	20.51	18.46	16.78	15.38	14.20	13.19	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	23.08	20.51	18.46	16.78	15.38	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	23.08	20.51	18.46	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

Number of spans:		2	support: 60 - 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.74	4.16	3.64	3.22	2.87	2.59	2.34	2.13	1.95	1.80	1.66	1.54	1.43	1.33	1.24	1.17	1.09	1.03	0.97	0.92	0.87	0.82	0.78	0.74	0.71	0.67	0.64
	202.30	SGU L/150	4.74	4.16	3.64	3.22	2.87	2.59	2.34	2.13	1.95	1.80	1.66	1.54	1.43	1.33	1.24	1.17	1.09	1.03	0.97	0.92	0.87	0.82	0.78	0.74	0.71	0.67	0.64
	219.01	SGU L/200	4.74	4.16	3.64	3.22	2.87	2.59	2.34	2.13	1.95	1.80	1.66	1.54	1.43	1.33	1.24	1.17	1.09	1.03	0.97	0.92	0.87	0.82	0.78	0.74	0.71	0.67	0.64
		SGU L/300	4.74	4.16	3.64	3.22	2.87	2.59	2.34	2.13	1.95	1.80	1.66	1.54	1.43	1.33	1.24	1.17	1.09	1.03	0.97	0.91	0.82	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.42	5.53	4.83	4.27	3.80	3.41	3.09	2.81	2.57	2.36	2.17	2.01	1.87	1.74	1.62	1.52	1.42	1.34	1.26	1.19	1.13	1.07	1.01	0.96	0.91	0.87	0.83
	240.90	SGU L/150	6.42	5.53	4.83	4.27	3.80	3.41	3.09	2.81	2.57	2.36	2.17	2.01	1.87	1.74	1.62	1.52	1.42	1.34	1.26	1.19	1.13	1.07	1.01	0.96	0.91	0.87	0.83
	255.51	SGU L/200	6.42	5.53	4.83	4.27	3.80	3.41	3.09	2.81	2.57	2.36	2.17	2.01	1.87	1.74	1.62	1.52	1.42	1.34	1.26	1.19	1.13	1.07	1.01	0.96	0.91	0.87	0.81
		SGU L/300	6.42	5.53	4.83	4.27	3.80	3.41	3.09	2.81	2.57	2.36	2.17	2.01	1.87	1.74	1.62	1.52	1.42	1.34	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.27	6.26	5.46	4.82	4.29	3.85	3.48	3.16	2.89	2.65	2.44	2.26	2.09	1.95	1.82	1.70	1.59	1.50	1.41	1.33	1.26	1.19	1.13	1.07	1.02	0.97	0.93
	259.97	SGU L/150	7.27	6.26	5.46	4.82	4.29	3.85	3.48	3.16	2.89	2.65	2.44	2.26	2.09	1.95	1.82	1.70	1.59	1.50	1.41	1.33	1.26	1.19	1.13	1.07	1.02	0.97	0.93
	273.76	SGU L/200	7.27	6.26	5.46	4.82	4.29	3.85	3.48	3.16	2.89	2.65	2.44	2.26	2.09	1.95	1.82	1.70	1.59	1.50	1.41	1.33	1.26	1.19	1.13	1.07	1.02	0.95	0.86
		SGU L/300	7.27	6.26	5.46	4.82	4.29	3.85	3.48	3.16	2.89	2.65	2.44	2.26	2.09	1.95	1.82	1.70	1.59	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.15	7.01	6.11	5.39	4.79	4.30	3.88	3.52	3.22	2.95	2.72	2.51	2.33	2.16	2.02	1.89	1.77	1.66	1.56	1.47	1.39	1.32	1.25	1.19	1.13	1.07	1.02
	282.23	SGU L/150	8.15	7.01	6.11	5.39	4.79	4.30	3.88	3.52	3.22	2.95	2.72	2.51	2.33	2.16	2.02	1.89	1.77	1.66	1.56	1.47	1.39	1.32	1.25	1.19	1.13	1.07	1.02
	292.01	SGU L/200	8.15	7.01	6.11	5.39	4.79	4.30	3.88	3.52	3.22	2.95	2.72	2.51	2.33	2.16	2.02	1.89	1.77	1.66	1.56	1.47	1.39	1.32	1.25	1.19	1.11	1.01	0.92
		SGU L/300	8.15	7.01	6.11	5.39	4.79	4.30	3.88	3.52	3.22	2.95	2.72	2.51	2.33	2.16	2.02	1.89	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	9.64	8.28	7.21	6.34	5.64	5.05	4.55	4.13	3.76	3.45	3.17	2.93	2.71	2.52	2.35	2.20	2.06	1.93	1.82	1.71	1.62	1.53	1.45	1.37	1.31	1.24	1.18
	313.34	SGU L/150	9.64	8.28	7.21	6.34	5.64	5.05	4.55	4.13	3.76	3.45	3.17	2.93	2.71	2.52	2.35	2.20	2.06	1.93	1.82	1.71	1.62	1.53	1.45	1.37	1.31	1.24	1.18
	321.21	SGU L/200	9.64	8.28	7.21	6.34	5.64	5.05	4.55	4.13	3.76	3.45	3.17	2.93	2.71	2.52	2.35	2.20	2.06	1.93	1.82	1.71	1.62	1.53	1.45	1.34	1.22	1.11	1.01
		SGU L/300	9.64	8.28	7.21	6.34	5.64	5.05	4.55	4.13	3.76	3.45	3.17	2.93	2.71	2.52	2.35	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	12.03	10.31	8.95	7.87	6.98	6.24	5.62	5.09	4.63	4.24	3.90	3.59	3.33	3.09	2.87	2.68	2.51	2.35	2.21	2.08	1.97	1.86	1.76	1.67	1.58	1.51	1.43
	359.00	SGU L/150	12.03	10.31	8.95	7.87	6.98	6.24	5.62	5.09	4.63	4.24	3.90	3.59	3.33	3.09	2.87	2.68	2.51	2.35	2.21	2.08	1.97	1.86	1.76	1.67	1.58	1.51	1.43
	365.01	SGU L/200	12.03	10.31	8.95	7.87	6.98	6.24	5.62	5.09	4.63	4.24	3.90	3.59	3.33	3.09	2.87	2.68	2.51	2.35	2.21	2.08	1.97	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	12.03	10.31	8.95	7.87	6.98	6.24	5.62	5.09	4.63	4.24	3.90	3.59	3.33	3.09	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	15.25	13.04	11.30	9.91	8.77	7.83	7.04	6.37	5.79	5.29	4.86	4.47	4.13	3.83	3.56	3.32	3.11	2.91	2.73	2.57	2.43	2.29	2.17	2.05	1.95	1.85	1.76
	416.12	SGU L/150	15.25	13.04	11.30	9.91	8.77	7.83	7.04	6.37	5.79	5.29	4.86	4.47	4.13	3.83	3.56	3.32	3.11	2.91	2.73	2.57	2.43	2.29	2.17	2.05	1.95	1.85	1.76
	419.75	SGU L/200	15.25	13.04	11.30	9.91	8.77	7.83	7.04	6.37	5.79	5.29	4.86	4.47	4.13	3.83	3.56	3.32	3.11	2.91	2.73	2.57	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	15.25	13.04	11.30	9.91	8.77	7.83	7.04	6.37	5.79	5.29	4.86	4.47	4.13	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	17.53	14.97	12.96	11.35	10.03	8.95	8.03	7.26	6.60	6.02	5.53	5.09	4.70	4.36	4.05	3.77	3.53	3.30	3.10	2.92	2.75	2.59	2.45	2.32	2.20	2.09	1.99
	453.28	SGU L/150	17.53	14.97	12.96	11.35	10.03	8.95	8.03	7.26	6.60	6.02	5.53	5.09	4.70	4.36	4.05	3.77	3.53	3.30	3.10	2.92	2.75	2.59	2.45	2.32	2.20	2.09	1.92
	456.26	SGU L/200	17.53	14.97	12.96	11.35	10.03	8.95	8.03	7.26	6.60	6.02	5.53	5.09	4.70	4.36	4.05	3.77	3.53	3.30	3.10	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	17.53	14.97	12.96	11.35	10.03	8.95	8.03	7.26	6.60	6.02	5.53	5.09	4.70	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	23.67	20.15	17.39	15.19	13.40	11.92	10.68	9.63	8.73	7.96	7.29	6.70	6.18	5.72	5.31	4.94	4.61	4.31	4.04	3.80	3.58	3.37	3.19	3.02	2.86	2.71	2.58
	547.51	SGU L/150	23.67	20.15	17.39	15.19	13.40	11.92	10.68	9.63	8.73	7.96	7.29	6.70	6.18	5.72	5.31	4.94	4.61	4.31	4.04	3.80	3.58	3.37	3.19	3.02	2.77	2.52	2.31
	547.51	SGU L/200	23.67	20.15	17.39	15.19	13.40	11.92	10.68	9.63	8.73	7.96	7.29	6.70	6.18	5.72	5.31	4.94	4.61	4.31	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	23.67	20.15	17.39	15.19	13.40	11.92	10.68	9.63	8.73	7.96	7.29	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15



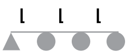
Number of spans:		3	support: 60 - 60 - 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.96	1.82	1.69	1.58	1.48	1.38	1.30	1.23	1.16	1.09	1.04	0.98	0.93	0.89	0.85	0.81	0.77
	202.30	SGU L/150	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.96	1.82	1.69	1.58	1.48	1.38	1.30	1.23	1.16	1.09	1.04	0.98	0.93	0.89	0.82	0.75	0.70
	219.01	SGU L/200	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.96	1.82	1.69	1.58	1.48	1.38	1.30	1.23	1.15	1.03	0.94	0.85	0.77	0.70	0.64	0.58	0.54
		SGU L/300	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.96	1.82	1.68	1.46	1.29	1.14	1.01	0.90	0.80	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.03	2.78	2.57	2.38	2.21	2.06	1.93	1.81	1.70	1.60	1.51	1.42	1.35	1.28	1.21	1.15	1.10	1.05	1.00
	240.90	SGU L/150	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.03	2.78	2.57	2.38	2.21	2.06	1.93	1.81	1.70	1.60	1.51	1.42	1.35	1.28	1.20	1.09	1.00	0.91	0.84
	255.51	SGU L/200	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.03	2.78	2.57	2.38	2.21	2.06	1.93	1.81	1.70	1.55	1.39	1.25	1.13	1.01	0.92	0.83	0.76	0.69	0.63
		SGU L/300	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.03	2.78	2.57	2.35	2.03	1.78	1.55	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.72	3.41	3.13	2.89	2.68	2.49	2.32	2.16	2.03	1.90	1.79	1.69	1.59	1.51	1.43	1.35	1.29	1.22	1.17	1.11
	259.97	SGU L/150	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.72	3.41	3.13	2.89	2.68	2.49	2.32	2.16	2.03	1.90	1.79	1.69	1.59	1.51	1.43	1.30	1.18	1.08	0.98	0.90
	273.76	SGU L/200	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.72	3.41	3.13	2.89	2.68	2.49	2.32	2.16	2.03	1.90	1.68	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.72	3.41	3.13	2.89	2.56	2.21	1.91	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.15	7.24	6.52	5.92	5.43	5.01	4.57	4.16	3.80	3.49	3.22	2.98	2.77	2.57	2.40	2.25	2.11	1.98	1.87	1.77	1.67	1.58	1.50	1.42	1.36	1.29	1.23
	282.23	SGU L/150	8.15	7.24	6.52	5.92	5.43	5.01	4.57	4.16	3.80	3.49	3.22	2.98	2.77	2.57	2.40	2.25	2.11	1.98	1.87	1.77	1.67	1.54	1.39	1.27	1.15	1.05	0.96
	292.01	SGU L/200	8.15	7.24	6.52	5.92	5.43	5.01	4.57	4.16	3.80	3.49	3.22	2.98	2.77	2.57	2.40	2.25	2.03	1.80	1.61	1.44	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.15	7.24	6.52	5.92	5.43	5.01	4.57	4.16	3.80	3.49	3.21	2.74	2.36	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.91	8.81	7.93	7.21	6.61	5.95	5.37	4.88	4.46	4.09	3.77	3.48	3.23	3.01	2.80	2.62	2.46	2.31	2.18	2.05	1.94	1.84	1.74	1.65	1.57	1.50	1.43
	313.34	SGU L/150	9.91	8.81	7.93	7.21	6.61	5.95	5.37	4.88	4.46	4.09	3.77	3.48	3.23	3.01	2.80	2.62	2.46	2.31	2.18	2.05	1.88	1.70	1.54	1.40	1.27	1.16	1.06
	321.21	SGU L/200	9.91	8.81	7.93	7.21	6.61	5.95	5.37	4.88	4.46	4.09	3.77	3.48	3.23	3.01	2.80	2.55	2.25	2.00	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.91	8.81	7.93	7.21	6.61	5.95	5.37	4.88	4.46	4.09	3.55	3.04	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.85	11.42	10.28	9.25	8.22	7.36	6.64	6.03	5.50	5.04	4.63	4.28	3.97	3.69	3.44	3.21	3.01	2.82	2.66	2.50	2.36	2.24	2.12	2.01	1.91	1.82	1.73
	359.00	SGU L/150	12.85	11.42	10.28	9.25	8.22	7.36	6.64	6.03	5.50	5.04	4.63	4.28	3.97	3.69	3.44	3.21	3.01	2.82	2.66	2.40	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.85	11.42	10.28	9.25	8.22	7.36	6.64	6.03	5.50	5.04	4.63	4.28	3.97	3.69	3.33	2.92	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.85	11.42	10.28	9.25	8.22	7.36	6.64	6.03	5.50	4.81	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.02	15.13	13.29	11.68	10.36	9.26	8.34	7.55	6.88	6.30	5.79	5.34	4.94	4.59	4.27	3.99	3.73	3.50	3.29	3.10	2.92	2.76	2.62	2.48	2.35	2.24	2.13
	416.12	SGU L/150	17.02	15.13	13.29	11.68	10.36	9.26	8.34	7.55	6.88	6.30	5.79	5.34	4.94	4.59	4.27	3.99	3.73	3.49	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.02	15.13	13.29	11.68	10.36	9.26	8.34	7.55	6.88	6.30	5.79	5.34	4.94	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.02	15.13	13.29	11.68	10.36	9.26	8.34	7.55	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	20.10	17.58	15.26	13.39	11.86	10.60	9.53	8.63	7.85	7.18	6.59	6.08	5.63	5.22	4.86	4.53	4.24	3.97	3.73	3.51	3.31	3.13	2.96	2.81	2.67	2.53	2.41
	453.28	SGU L/150	20.10	17.58	15.26	13.39	11.86	10.60	9.53	8.63	7.85	7.18	6.59	6.08	5.63	5.22	4.86	4.53	4.24	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	20.10	17.58	15.26	13.39	11.86	10.60	9.53	8.63	7.85	7.18	6.59	6.08	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	20.10	17.58	15.26	13.39	11.86	10.60	9.53	8.63	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	27.81	23.73	20.53	17.97	15.88	14.16	12.71	11.48	10.43	9.51	8.72	8.03	7.42	6.87	6.38	5.95	5.56	5.20	4.88	4.59	4.33	4.08	3.86	3.66	3.47	3.29	3.13
	547.51	SGU L/150	27.81	23.73	20.53	17.97	15.88	14.16	12.71	11.48	10.43	9.51	8.72	8.03	7.42	6.87	6.38	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	27.81	23.73	20.53	17.97	15.88	14.16	12.71	11.48	10.43	9.51	8.72	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	27.81	23.73	20.53	17.97	15.88	14.16	12.71	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

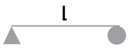
S320 GD

T130-v2			Negative																										
Number of spans:		1	support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.28	1.22	1.17	1.12	1.07	1.03	0.99	0.96	0.93	0.89	0.87	0.84	0.81	0.79
	210.37	SGU L/150	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.28	1.22	1.17	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	219.01	SGU L/200	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.99	1.89	1.80	1.72	1.64	1.57	1.51	1.45	1.40	1.35	1.30	1.26	1.22	1.18	1.14	1.11
	249.75	SGU L/150	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.99	1.89	1.80	1.61	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.88	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	2.01	1.92	1.84	1.77	1.70	1.63	1.58	1.52	1.47	1.42	1.38	1.31	1.23
	268.40	SGU L/150	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.45	2.32	2.21	1.99	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.37	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.85	2.70	2.56	2.44	2.33	2.23	2.14	2.05	1.97	1.90	1.83	1.77	1.71	1.61	1.51	1.42	1.34
	286.97	SGU L/150	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.85	2.70	2.47	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.41	5.69	5.12	4.66	4.27	3.94	3.60	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.34	3.17	3.02	2.88	2.76	2.64	2.54	2.44	2.35	2.22	2.07	1.94	1.81	1.70	1.60	1.51
	317.04	SGU L/150	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.18	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.93	7.05	6.34	5.76	5.28	4.88	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.57	4.33	4.11	3.92	3.74	3.58	3.43	3.28	3.03	2.81	2.61	2.43	2.27	2.13	2.00	1.88	1.77
	362.09	SGU L/150	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.28	9.14	8.22	7.48	6.85	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	6.41	6.05	5.73	5.45	5.19	4.95	4.61	4.23	3.90	3.61	3.34	3.11	2.90	2.71	2.54	2.38	2.24	2.11
	418.00	SGU L/150	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	13.62	12.10	10.89	9.90	9.08	8.38	7.78	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	13.62	12.10	10.89	9.90	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	8.04	7.57	7.15	6.77	6.43	6.13	5.59	5.12	4.70	4.33	4.01	3.71	3.45	3.22	3.01	2.82	2.64	2.49	2.34
	454.96	SGU L/150	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	7.64	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.08	14.29	12.87	11.70	10.72	9.90	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.08	14.29	12.87	11.70	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	23.08	20.51	18.46	16.78	15.38	14.20	13.19	12.31	11.54	10.86	10.26	9.37	8.46	7.67	6.99	6.40	5.87	5.41	5.01	4.64	4.32	4.02	3.76	3.52	3.30	3.11	2.93
	547.51	SGU L/150	23.08	20.51	18.46	16.78	15.38	14.20	13.19	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	23.08	20.51	18.46	16.78	15.38	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	23.08	20.51	18.46	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

Number of spans:		2	support: 60 - 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.47	3.96	3.47	3.07	2.74	2.47	2.24	2.04	1.87	1.72	1.59	1.47	1.37	1.28	1.19	1.12	1.05	0.99	0.93	0.88	0.84	0.79	0.75	0.72	0.68	0.65	0.62
	210.37	SGU L/150	4.47	3.96	3.47	3.07	2.74	2.47	2.24	2.04	1.87	1.72	1.59	1.47	1.37	1.28	1.19	1.12	1.05	0.99	0.93	0.88	0.84	0.79	0.75	0.72	0.68	0.65	0.62
	219.01	SGU L/200	4.47	3.96	3.47	3.07	2.74	2.47	2.24	2.04	1.87	1.72	1.59	1.47	1.37	1.28	1.19	1.12	1.05	0.99	0.93	0.88	0.84	0.79	0.75	0.72	0.68	0.65	0.62
		SGU L/300	4.47	3.96	3.47	3.07	2.74	2.47	2.24	2.04	1.87	1.72	1.59	1.47	1.37	1.28	1.19	1.12	1.05	0.99	0.93	0.88	0.82	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.19	5.34	4.67	4.12	3.68	3.31	2.99	2.72	2.49	2.29	2.11	1.96	1.82	1.69	1.58	1.48	1.39	1.31	1.23	1.16	1.10	1.04	0.99	0.94	0.89	0.85	0.81
	249.75	SGU L/150	6.19	5.34	4.67	4.12	3.68	3.31	2.99	2.72	2.49	2.29	2.11	1.96	1.82	1.69	1.58	1.48	1.39	1.31	1.23	1.16	1.10	1.04	0.99	0.94	0.89	0.85	0.81
	255.51	SGU L/200	6.19	5.34	4.67	4.12	3.68	3.31	2.99	2.72	2.49	2.29	2.11	1.96	1.82	1.69	1.58	1.48	1.39	1.31	1.23	1.16	1.10	1.04	0.99	0.94	0.89	0.85	0.81
		SGU L/300	6.19	5.34	4.67	4.12	3.68	3.31	2.99	2.72	2.49	2.29	2.11	1.96	1.82	1.69	1.58	1.48	1.39	1.31	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.09	6.11	5.33	4.71	4.20	3.77	3.41	3.10	2.83	2.60	2.40	2.22	2.06	1.92	1.79	1.68	1.57	1.48	1.39	1.31	1.24	1.18	1.12	1.06	1.01	0.96	0.92
	268.40	SGU L/150	7.09	6.11	5.33	4.71	4.20	3.77	3.41	3.10	2.83	2.60	2.40	2.22	2.06	1.92	1.79	1.68	1.57	1.48	1.39	1.31	1.24	1.18	1.12	1.06	1.01	0.96	0.92
	273.76	SGU L/200	7.09	6.11	5.33	4.71	4.20	3.77	3.41	3.10	2.83	2.60	2.40	2.22	2.06	1.92	1.79	1.68	1.57	1.48	1.39	1.31	1.24	1.18	1.12	1.06	1.01	0.94	0.86
		SGU L/300	7.09	6.11	5.33	4.71	4.20	3.77	3.41	3.10	2.83	2.60	2.40	2.22	2.06	1.92	1.79	1.68	1.57	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.06	6.94	6.05	5.34	4.75	4.27	3.85	3.50	3.20	2.94	2.70	2.50	2.32	2.16	2.01	1.88	1.76	1.66	1.56	1.47	1.39	1.32	1.25	1.19	1.13	1.07	1.02
	286.97	SGU L/150	8.06	6.94	6.05	5.34	4.75	4.27	3.85	3.50	3.20	2.94	2.70	2.50	2.32	2.16	2.01	1.88	1.76	1.66	1.56	1.47	1.39	1.32	1.25	1.19	1.13	1.07	1.02
	292.01	SGU L/200	8.06	6.94	6.05	5.34	4.75	4.27	3.85	3.50	3.20	2.94	2.70	2.50	2.32	2.16	2.01	1.88	1.76	1.66	1.56	1.47	1.39	1.32	1.25	1.19	1.11	1.01	0.92
		SGU L/300	8.06	6.94	6.05	5.34	4.75	4.27	3.85	3.50	3.20	2.94	2.70	2.50	2.32	2.16	2.01	1.88	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	9.68	8.31	7.24	6.37	5.66	5.07	4.57	4.15	3.78	3.47	3.19	2.94	2.73	2.53	2.36	2.21	2.07	1.94	1.83	1.72	1.63	1.54	1.46	1.38	1.31	1.25	1.19
	317.04	SGU L/150	9.68	8.31	7.24	6.37	5.66	5.07	4.57	4.15	3.78	3.47	3.19	2.94	2.73	2.53	2.36	2.21	2.07	1.94	1.83	1.72	1.63	1.54	1.46	1.38	1.31	1.25	1.19
	321.21	SGU L/200	9.68	8.31	7.24	6.37	5.66	5.07	4.57	4.15	3.78	3.47	3.19	2.94	2.73	2.53	2.36	2.21	2.07	1.94	1.83	1.72	1.63	1.54	1.46	1.34	1.22	1.11	1.01
		SGU L/300	9.68	8.31	7.24	6.37	5.66	5.07	4.57	4.15	3.78	3.47	3.19	2.94	2.73	2.53	2.36	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	12.06	10.34	8.98	7.89	7.00	6.26	5.63	5.10	4.65	4.25	3.91	3.60	3.34	3.10	2.88	2.69	2.52	2.36	2.22	2.09	1.97	1.87	1.77	1.67	1.59	1.51	1.44
	362.09	SGU L/150	12.06	10.34	8.98	7.89	7.00	6.26	5.63	5.10	4.65	4.25	3.91	3.60	3.34	3.10	2.88	2.69	2.52	2.36	2.22	2.09	1.97	1.87	1.77	1.67	1.59	1.51	1.44
	365.01	SGU L/200	12.06	10.34	8.98	7.89	7.00	6.26	5.63	5.10	4.65	4.25	3.91	3.60	3.34	3.10	2.88	2.69	2.52	2.36	2.22	2.09	1.97	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	12.06	10.34	8.98	7.89	7.00	6.26	5.63	5.10	4.65	4.25	3.91	3.60	3.34	3.10	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	15.28	13.06	11.32	9.93	8.79	7.84	7.05	6.38	5.80	5.30	4.86	4.48	4.14	3.84	3.57	3.33	3.11	2.92	2.74	2.58	2.43	2.29	2.17	2.06	1.95	1.86	1.77
	418.00	SGU L/150	15.28	13.06	11.32	9.93	8.79	7.84	7.05	6.38	5.80	5.30	4.86	4.48	4.14	3.84	3.57	3.33	3.11	2.92	2.74	2.58	2.43	2.29	2.17	2.06	1.95	1.86	1.77
	419.75	SGU L/200	15.28	13.06	11.32	9.93	8.79	7.84	7.05	6.38	5.80	5.30	4.86	4.48	4.14	3.84	3.57	3.33	3.11	2.92	2.74	2.58	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	15.28	13.06	11.32	9.93	8.79	7.84	7.05	6.38	5.80	5.30	4.86	4.48	4.14	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	17.56	14.99	12.97	11.36	10.05	8.96	8.04	7.27	6.60	6.03	5.53	5.09	4.70	4.36	4.05	3.77	3.52	3.30	3.10	2.91	2.75	2.59	2.45	2.32	2.20	2.09	1.99
	454.96	SGU L/150	17.56	14.99	12.97	11.36	10.05	8.96	8.04	7.27	6.60	6.03	5.53	5.09	4.70	4.36	4.05	3.77	3.52	3.30	3.10	2.91	2.75	2.59	2.45	2.32	2.20	2.09	1.92
	456.26	SGU L/200	17.56	14.99	12.97	11.36	10.05	8.96	8.04	7.27	6.60	6.03	5.53	5.09	4.70	4.36	4.05	3.77	3.52	3.30	3.10	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	17.56	14.99	12.97	11.36	10.05	8.96	8.04	7.27	6.60	6.03	5.53	5.09	4.70	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	23.69	20.16	17.40	15.20	13.40	11.92	10.68	9.63	8.73	7.96	7.29	6.70	6.18	5.72	5.31	4.94	4.61	4.31	4.04	3.80	3.58	3.37	3.19	3.02	2.86	2.71	2.58
	547.51	SGU L/150	23.69	20.16	17.40	15.20	13.40	11.92	10.68	9.63	8.73	7.96	7.29	6.70	6.18	5.72	5.31	4.94	4.61	4.31	4.04	3.80	3.58	3.37	3.19	3.02	2.77	2.52	2.31
	547.51	SGU L/200	23.69	20.16	17.40	15.20	13.40	11.92	10.68	9.63	8.73	7.96	7.29	6.70	6.18	5.72	5.31	4.94	4.61	4.31	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	23.69	20.16	17.40	15.20	13.40	11.92	10.68	9.63	8.73	7.96	7.29	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15

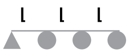


Number of spans:		3	support: 60 - 60 - 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.74	1.62	1.51	1.42	1.33	1.25	1.18	1.11	1.05	1.00	0.95	0.90	0.86	0.82	0.78	0.74
	210.37	SGU L/150	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.74	1.62	1.51	1.42	1.33	1.25	1.18	1.11	1.05	1.00	0.95	0.90	0.86	0.82	0.78	0.71
	219.01	SGU L/200	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.74	1.62	1.51	1.42	1.33	1.25	1.18	1.11	1.05	0.96	0.86	0.78	0.71	0.65	0.59	0.54
		SGU L/300	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.74	1.62	1.51	1.32	1.16	1.02	0.90	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.93	2.70	2.50	2.31	2.15	2.01	1.88	1.76	1.65	1.56	1.47	1.39	1.31	1.25	1.18	1.12	1.07	1.02	0.97
	249.75	SGU L/150	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.93	2.70	2.50	2.31	2.15	2.01	1.88	1.76	1.65	1.56	1.47	1.39	1.31	1.25	1.18	1.10	1.00	0.92	0.84
	255.51	SGU L/200	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.93	2.70	2.50	2.31	2.15	2.01	1.88	1.76	1.65	1.56	1.40	1.26	1.13	1.02	0.92	0.83	0.76	0.69	0.63
		SGU L/300	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.93	2.70	2.50	2.31	2.05	1.78	1.55	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.65	3.34	3.07	2.84	2.63	2.44	2.28	2.13	1.99	1.87	1.76	1.66	1.57	1.49	1.41	1.34	1.27	1.21	1.15	1.10
	268.40	SGU L/150	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.65	3.34	3.07	2.84	2.63	2.44	2.28	2.13	1.99	1.87	1.76	1.66	1.57	1.49	1.41	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.65	3.34	3.07	2.84	2.63	2.44	2.28	2.13	1.99	1.87	1.69	1.51	1.35	1.21	1.09	0.99	0.90	0.81	0.74	0.68
		SGU L/300	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.65	3.34	3.07	2.84	2.57	2.21	1.91	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.01	7.12	6.41	5.82	5.34	4.93	4.54	4.13	3.78	3.47	3.20	2.96	2.75	2.56	2.39	2.24	2.10	1.98	1.87	1.76	1.67	1.58	1.50	1.42	1.35	1.29	1.23
	286.97	SGU L/150	8.01	7.12	6.41	5.82	5.34	4.93	4.54	4.13	3.78	3.47	3.20	2.96	2.75	2.56	2.39	2.24	2.10	1.98	1.87	1.76	1.67	1.55	1.40	1.27	1.15	1.05	0.96
	292.01	SGU L/200	8.01	7.12	6.41	5.82	5.34	4.93	4.54	4.13	3.78	3.47	3.20	2.96	2.75	2.56	2.39	2.24	2.04	1.81	1.61	1.44	1.30	1.17	1.05	0.96	0.87	0.79	0.73
		SGU L/300	8.01	7.12	6.41	5.82	5.34	4.93	4.54	4.13	3.78	3.47	3.20	2.75	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.91	8.81	7.93	7.21	6.61	5.97	5.39	4.90	4.48	4.11	3.78	3.50	3.25	3.02	2.82	2.64	2.47	2.32	2.19	2.06	1.95	1.85	1.75	1.66	1.58	1.51	1.43
	317.04	SGU L/150	9.91	8.81	7.93	7.21	6.61	5.97	5.39	4.90	4.48	4.11	3.78	3.50	3.25	3.02	2.82	2.64	2.47	2.32	2.19	2.06	1.89	1.71	1.54	1.40	1.27	1.16	1.06
	321.21	SGU L/200	9.91	8.81	7.93	7.21	6.61	5.97	5.39	4.90	4.48	4.11	3.78	3.50	3.25	3.02	2.82	2.56	2.26	2.00	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.91	8.81	7.93	7.21	6.61	5.97	5.39	4.90	4.48	4.11	3.57	3.04	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.85	11.42	10.28	9.28	8.24	7.39	6.66	6.04	5.51	5.05	4.65	4.29	3.98	3.70	3.45	3.22	3.02	2.83	2.66	2.51	2.37	2.24	2.13	2.02	1.92	1.82	1.74
	362.09	SGU L/150	12.85	11.42	10.28	9.28	8.24	7.39	6.66	6.04	5.51	5.05	4.65	4.29	3.98	3.70	3.45	3.22	3.02	2.83	2.66	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.85	11.42	10.28	9.28	8.24	7.39	6.66	6.04	5.51	5.05	4.65	4.29	3.98	3.70	3.34	2.92	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.85	11.42	10.28	9.28	8.24	7.39	6.66	6.04	5.51	4.82	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.02	15.13	13.31	11.70	10.38	9.28	8.35	7.57	6.89	6.31	5.79	5.35	4.95	4.59	4.28	3.99	3.74	3.50	3.29	3.10	2.93	2.77	2.62	2.48	2.36	2.24	2.14
	418.00	SGU L/150	17.02	15.13	13.31	11.70	10.38	9.28	8.35	7.57	6.89	6.31	5.79	5.35	4.95	4.59	4.28	3.99	3.74	3.49	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.02	15.13	13.31	11.70	10.38	9.28	8.35	7.57	6.89	6.31	5.79	5.35	4.95	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.02	15.13	13.31	11.70	10.38	9.28	8.35	7.57	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	20.10	17.61	15.28	13.41	11.88	10.61	9.54	8.64	7.86	7.18	6.60	6.08	5.62	5.22	4.86	4.53	4.24	3.97	3.73	3.51	3.31	3.13	2.96	2.81	2.66	2.53	2.41
	454.96	SGU L/150	20.10	17.61	15.28	13.41	11.88	10.61	9.54	8.64	7.86	7.18	6.60	6.08	5.62	5.22	4.86	4.53	4.24	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	20.10	17.61	15.28	13.41	11.88	10.61	9.54	8.64	7.86	7.18	6.60	6.08	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	20.10	17.61	15.28	13.41	11.88	10.61	9.54	8.64	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	27.84	23.75	20.54	17.98	15.89	14.16	12.71	11.48	10.43	9.51	8.72	8.03	7.41	6.87	6.38	5.95	5.55	5.20	4.88	4.59	4.32	4.08	3.86	3.65	3.47	3.29	3.13
	547.51	SGU L/150	27.84	23.75	20.54	17.98	15.89	14.16	12.71	11.48	10.43	9.51	8.72	8.03	7.41	6.87	6.38	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	27.84	23.75	20.54	17.98	15.89	14.16	12.71	11.48	10.43	9.51	8.72	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	27.84	23.75	20.54	17.98	15.89	14.16	12.71	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91



T130-v2			Positive																										
Number of spans:		1	support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.24	1.19	1.14	1.09	1.05	1.02	0.98	0.95	0.92	0.89	0.86	0.84
	202.30	SGU L/150	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.19	1.12
	240.90	SGU L/150	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.79	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.13	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.07	1.98	1.90	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.39	1.31	1.23
	259.97	SGU L/150	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.70	5.07	4.56	4.15	3.80	3.51	3.25	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.61	2.48	2.37	2.27	2.17	2.09	2.00	1.93	1.86	1.80	1.73	1.62	1.52	1.43	1.35
	282.23	SGU L/150	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	2.95	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.52	5.79	5.21	4.74	4.34	4.01	3.53	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.34	3.17	3.02	2.88	2.76	2.64	2.54	2.44	2.35	2.24	2.09	1.95	1.83	1.72	1.62	1.52
	313.34	SGU L/150	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.14	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.93	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.93	7.05	6.34	5.76	5.28	4.88	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.57	4.33	4.11	3.92	3.74	3.58	3.43	3.29	3.05	2.82	2.63	2.45	2.29	2.14	2.01	1.89	1.78
	359.00	SGU L/150	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.47	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.28	9.14	8.22	7.48	6.85	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	6.41	6.05	5.73	5.45	5.19	4.95	4.62	4.24	3.91	3.62	3.35	3.12	2.91	2.72	2.54	2.39	2.24	2.11
	416.12	SGU L/150	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	13.62	12.10	10.89	9.90	9.08	8.38	7.78	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	13.62	12.10	10.89	9.90	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	8.04	7.57	7.15	6.77	6.43	6.13	5.59	5.12	4.70	4.33	4.00	3.71	3.45	3.22	3.01	2.82	2.64	2.49	2.34
	453.28	SGU L/150	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	7.62	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.08	14.29	12.87	11.70	10.72	9.90	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.08	14.29	12.87	11.69	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	23.08	20.51	18.46	16.78	15.38	14.20	13.19	12.31	11.54	10.86	10.26	9.36	8.45	7.67	6.98	6.39	5.87	5.41	5.00	4.64	4.31	4.02	3.76	3.52	3.30	3.10	2.92
	547.51	SGU L/150	23.08	20.51	18.46	16.78	15.38	14.20	13.19	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	23.08	20.51	18.46	16.78	15.38	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	23.08	20.51	18.46	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

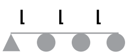
Number of spans:		2	support: 60 - 80 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.74	4.21	3.79	3.45	3.09	2.78	2.51	2.28	2.09	1.91	1.77	1.63	1.52	1.41	1.32	1.23	1.16	1.09	1.02	0.97	0.91	0.87	0.82	0.78	0.74	0.71	0.67
	202.30	SGU L/150	4.74	4.21	3.79	3.45	3.09	2.78	2.51	2.28	2.09	1.91	1.77	1.63	1.52	1.41	1.32	1.23	1.16	1.09	1.02	0.97	0.91	0.87	0.82	0.78	0.74	0.71	0.67
	219.01	SGU L/200	4.74	4.21	3.79	3.45	3.09	2.78	2.51	2.28	2.09	1.91	1.77	1.63	1.52	1.41	1.32	1.23	1.16	1.09	1.02	0.97	0.91	0.87	0.82	0.78	0.74	0.71	0.67
		SGU L/300	4.74	4.21	3.79	3.45	3.09	2.78	2.51	2.28	2.09	1.91	1.77	1.63	1.52	1.41	1.32	1.23	1.16	1.09	1.02	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.58	5.85	5.20	4.58	4.07	3.65	3.29	2.99	2.73	2.50	2.31	2.13	1.97	1.84	1.71	1.60	1.50	1.41	1.33	1.25	1.18	1.12	1.06	1.01	0.96	0.91	0.87
	240.90	SGU L/150	6.58	5.85	5.20	4.58	4.07	3.65	3.29	2.99	2.73	2.50	2.31	2.13	1.97	1.84	1.71	1.60	1.50	1.41	1.33	1.25	1.18	1.12	1.06	1.01	0.96	0.91	0.87
	255.51	SGU L/200	6.58	5.85	5.20	4.58	4.07	3.65	3.29	2.99	2.73	2.50	2.31	2.13	1.97	1.84	1.71	1.60	1.50	1.41	1.33	1.25	1.18	1.12	1.06	1.01	0.96	0.88	0.81
		SGU L/300	6.58	5.85	5.20	4.58	4.07	3.65	3.29	2.99	2.73	2.50	2.31	2.13	1.97	1.84	1.71	1.60	1.50	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.60	6.74	5.86	5.16	4.59	4.11	3.70	3.36	3.06	2.81	2.58	2.39	2.21	2.05	1.91	1.79	1.68	1.57	1.48	1.39	1.32	1.25	1.18	1.12	1.06	1.01	0.96
	259.97	SGU L/150	7.60	6.74	5.86	5.16	4.59	4.11	3.70	3.36	3.06	2.81	2.58	2.39	2.21	2.05	1.91	1.79	1.68	1.57	1.48	1.39	1.32	1.25	1.18	1.12	1.06	1.01	0.96
	273.76	SGU L/200	7.60	6.74	5.86	5.16	4.59	4.11	3.70	3.36	3.06	2.81	2.58	2.39	2.21	2.05	1.91	1.79	1.68	1.57	1.48	1.39	1.32	1.25	1.18	1.12	1.04	0.95	0.86
		SGU L/300	7.60	6.74	5.86	5.16	4.59	4.11	3.70	3.36	3.06	2.81	2.58	2.39	2.21	2.05	1.91	1.79	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.69	7.54	6.55	5.76	5.12	4.58	4.13	3.74	3.41	3.12	2.87	2.65	2.45	2.28	2.12	1.98	1.86	1.74	1.64	1.54	1.46	1.38	1.30	1.24	1.17	1.12	1.06
	282.23	SGU L/150	8.69	7.54	6.55	5.76	5.12	4.58	4.13	3.74	3.41	3.12	2.87	2.65	2.45	2.28	2.12	1.98	1.86	1.74	1.64	1.54	1.46	1.38	1.30	1.24	1.17	1.12	1.06
	292.01	SGU L/200	8.69	7.54	6.55	5.76	5.12	4.58	4.13	3.74	3.41	3.12	2.87	2.65	2.45	2.28	2.12	1.98	1.86	1.74	1.64	1.54	1.46	1.38	1.30	1.22	1.11	1.01	0.92
		SGU L/300	8.69	7.54	6.55	5.76	5.12	4.58	4.13	3.74	3.41	3.12	2.87	2.65	2.45	2.28	2.12	1.98	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	10.37	8.88	7.71	6.77	6.00	5.36	4.83	4.37	3.98	3.64	3.35	3.09	2.85	2.65	2.47	2.30	2.15	2.02	1.90	1.79	1.69	1.59	1.51	1.43	1.36	1.29	1.23
	313.34	SGU L/150	10.37	8.88	7.71	6.77	6.00	5.36	4.83	4.37	3.98	3.64	3.35	3.09	2.85	2.65	2.47	2.30	2.15	2.02	1.90	1.79	1.69	1.59	1.51	1.43	1.36	1.29	1.23
	321.21	SGU L/200	10.37	8.88	7.71	6.77	6.00	5.36	4.83	4.37	3.98	3.64	3.35	3.09	2.85	2.65	2.47	2.30	2.15	2.02	1.90	1.79	1.69	1.59	1.48	1.34	1.22	1.11	1.01
		SGU L/300	10.37	8.88	7.71	6.77	6.00	5.36	4.83	4.37	3.98	3.64	3.35	3.09	2.85	2.65	2.47	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	12.89	11.02	9.55	8.37	7.41	6.61	5.94	5.37	4.88	4.46	4.10	3.77	3.49	3.23	3.01	2.80	2.62	2.45	2.30	2.17	2.04	1.93	1.83	1.73	1.64	1.56	1.48
	359.00	SGU L/150	12.89	11.02	9.55	8.37	7.41	6.61	5.94	5.37	4.88	4.46	4.10	3.77	3.49	3.23	3.01	2.80	2.62	2.45	2.30	2.17	2.04	1.93	1.83	1.73	1.64	1.56	1.48
	365.01	SGU L/200	12.89	11.02	9.55	8.37	7.41	6.61	5.94	5.37	4.88	4.46	4.10	3.77	3.49	3.23	3.01	2.80	2.62	2.45	2.30	2.17	2.04	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	12.89	11.02	9.55	8.37	7.41	6.61	5.94	5.37	4.88	4.46	4.10	3.77	3.49	3.23	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	16.28	13.88	12.01	10.50	9.28	8.27	7.42	6.70	6.08	5.55	5.09	4.68	4.32	4.00	3.72	3.46	3.23	3.03	2.84	2.67	2.51	2.37	2.24	2.12	2.01	1.91	1.82
	416.12	SGU L/150	16.28	13.88	12.01	10.50	9.28	8.27	7.42	6.70	6.08	5.55	5.09	4.68	4.32	4.00	3.72	3.46	3.23	3.03	2.84	2.67	2.51	2.37	2.24	2.12	2.01	1.91	1.77
	419.75	SGU L/200	16.28	13.88	12.01	10.50	9.28	8.27	7.42	6.70	6.08	5.55	5.09	4.68	4.32	4.00	3.72	3.46	3.23	3.03	2.84	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	16.28	13.88	12.01	10.50	9.28	8.27	7.42	6.70	6.08	5.55	5.09	4.68	4.32	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	18.68	15.91	13.74	12.00	10.59	9.43	8.45	7.62	6.92	6.31	5.78	5.32	4.90	4.54	4.21	3.92	3.66	3.43	3.21	3.02	2.84	2.68	2.53	2.40	2.27	2.16	2.05
	453.28	SGU L/150	18.68	15.91	13.74	12.00	10.59	9.43	8.45	7.62	6.92	6.31	5.78	5.32	4.90	4.54	4.21	3.92	3.66	3.43	3.21	3.02	2.84	2.68	2.53	2.40	2.27	2.10	1.92
	456.26	SGU L/200	18.68	15.91	13.74	12.00	10.59	9.43	8.45	7.62	6.92	6.31	5.78	5.32	4.90	4.54	4.21	3.92	3.66	3.43	3.21	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	18.68	15.91	13.74	12.00	10.59	9.43	8.45	7.62	6.92	6.31	5.78	5.32	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	25.12	21.32	18.36	16.00	14.09	12.51	11.19	10.08	9.11	8.30	7.59	6.97	6.42	5.94	5.50	5.12	4.77	4.46	4.18	3.92	3.69	3.48	3.28	3.11	2.94	2.79	2.65
	547.51	SGU L/150	25.12	21.32	18.36	16.00	14.09	12.51	11.19	10.08	9.11	8.30	7.59	6.97	6.42	5.94	5.50	5.12	4.77	4.46	4.18	3.92	3.69	3.48	3.28	3.04	2.77	2.52	2.31
	547.51	SGU L/200	25.12	21.32	18.36	16.00	14.09	12.51	11.19	10.08	9.11	8.30	7.59	6.97	6.42	5.94	5.50	5.12	4.77	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	25.12	21.32	18.36	16.00	14.09	12.51	11.19	10.08	9.11	8.30	7.59	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15



Number of spans:		3	support: 60 - 80 - 80 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.78	1.68	1.57	1.47	1.38	1.30	1.22	1.15	1.09	1.04	0.98	0.93	0.89	0.85	0.81
	202.30	SGU L/150	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.78	1.68	1.57	1.47	1.38	1.30	1.22	1.15	1.09	1.04	0.98	0.91	0.83	0.76	0.70
	219.01	SGU L/200	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.78	1.68	1.57	1.47	1.38	1.29	1.16	1.04	0.94	0.85	0.77	0.70	0.64	0.59	0.54
		SGU L/300	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.69	1.48	1.30	1.14	1.01	0.90	0.80	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.73	2.53	2.35	2.18	2.04	1.91	1.79	1.68	1.59	1.50	1.42	1.34	1.27	1.21	1.15	1.09	1.04
	240.90	SGU L/150	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.73	2.53	2.35	2.18	2.04	1.91	1.79	1.68	1.59	1.50	1.42	1.32	1.20	1.09	1.00	0.92	0.84
	255.51	SGU L/200	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.73	2.53	2.35	2.18	2.04	1.91	1.75	1.56	1.40	1.25	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.73	2.37	2.05	1.78	1.55	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.33	3.07	2.84	2.63	2.45	2.28	2.14	2.00	1.88	1.77	1.67	1.58	1.50	1.42	1.35	1.28	1.22	1.16
	259.97	SGU L/150	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.33	3.07	2.84	2.63	2.45	2.28	2.14	2.00	1.88	1.77	1.67	1.58	1.44	1.30	1.18	1.08	0.99	0.90
	273.76	SGU L/200	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.33	3.07	2.84	2.63	2.45	2.28	2.14	1.90	1.69	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.33	3.00	2.57	2.21	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.04	3.70	3.41	3.15	2.92	2.72	2.53	2.37	2.22	2.09	1.96	1.85	1.75	1.65	1.57	1.49	1.41	1.35	1.28
	282.23	SGU L/150	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.04	3.70	3.41	3.15	2.92	2.72	2.53	2.37	2.22	2.09	1.96	1.85	1.71	1.54	1.40	1.27	1.15	1.05	0.97
	292.01	SGU L/200	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.04	3.70	3.41	3.15	2.92	2.72	2.53	2.31	2.04	1.81	1.61	1.44	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.04	3.70	3.22	2.75	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.18	4.72	4.33	3.98	3.68	3.41	3.16	2.95	2.76	2.58	2.42	2.28	2.15	2.03	1.92	1.82	1.72	1.64	1.56	1.48
	313.34	SGU L/150	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.18	4.72	4.33	3.98	3.68	3.41	3.16	2.95	2.76	2.58	2.42	2.28	2.10	1.89	1.71	1.54	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.18	4.72	4.33	3.98	3.68	3.41	3.16	2.91	2.55	2.26	2.00	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.18	4.72	4.21	3.57	3.04	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.85	11.42	10.28	9.34	8.57	7.82	7.04	6.38	5.81	5.31	4.88	4.50	4.17	3.87	3.60	3.36	3.15	2.95	2.77	2.61	2.46	2.33	2.20	2.09	1.98	1.89	1.80
	359.00	SGU L/150	12.85	11.42	10.28	9.34	8.57	7.82	7.04	6.38	5.81	5.31	4.88	4.50	4.17	3.87	3.60	3.36	3.15	2.95	2.69	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.85	11.42	10.28	9.34	8.57	7.82	7.04	6.38	5.81	5.31	4.88	4.50	4.17	3.82	3.33	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.85	11.42	10.28	9.34	8.57	7.82	7.04	6.38	5.76	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.02	15.13	13.62	12.38	10.98	9.80	8.81	7.97	7.25	6.62	6.08	5.60	5.18	4.80	4.46	4.16	3.89	3.64	3.42	3.22	3.04	2.87	2.71	2.57	2.44	2.32	2.21
	416.12	SGU L/150	17.02	15.13	13.62	12.38	10.98	9.80	8.81	7.97	7.25	6.62	6.08	5.60	5.18	4.80	4.46	4.16	3.89	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.02	15.13	13.62	12.38	10.98	9.80	8.81	7.97	7.25	6.62	6.08	5.60	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.02	15.13	13.62	12.38	10.98	9.80	8.81	7.97	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	20.10	17.87	16.08	14.20	12.55	11.19	10.05	9.08	8.25	7.53	6.91	6.37	5.88	5.45	5.07	4.72	4.41	4.13	3.88	3.65	3.44	3.24	3.07	2.91	2.76	2.62	2.49
	453.28	SGU L/150	20.10	17.87	16.08	14.20	12.55	11.19	10.05	9.08	8.25	7.53	6.91	6.37	5.88	5.45	5.07	4.72	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	20.10	17.87	16.08	14.20	12.55	11.19	10.05	9.08	8.25	7.53	6.91	6.37	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	20.10	17.87	16.08	14.20	12.55	11.19	10.05	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	28.84	25.16	21.72	18.97	16.74	14.89	13.34	12.03	10.91	9.94	9.10	8.37	7.72	7.15	6.63	6.17	5.76	5.39	5.05	4.75	4.47	4.22	3.98	3.77	3.57	3.39	3.22
	547.51	SGU L/150	28.84	25.16	21.72	18.97	16.74	14.89	13.34	12.03	10.91	9.94	9.10	8.37	7.72	7.15	6.63	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	28.84	25.16	21.72	18.97	16.74	14.89	13.34	12.03	10.91	9.94	9.10	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	28.84	25.16	21.72	18.97	16.74	14.89	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

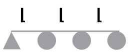
S320 GD



T130-v2			Negative																										
Number of spans:		**1**	**support: 60 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.28	1.22	1.17	1.12	1.07	1.03	0.99	0.96	0.93	0.89	0.87	0.84	0.81	0.79
	210.37	SGU L/150	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.28	1.22	1.17	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	219.01	SGU L/200	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.99	1.89	1.80	1.72	1.64	1.57	1.51	1.45	1.40	1.35	1.30	1.26	1.22	1.18	1.14	1.11
	249.75	SGU L/150	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.99	1.89	1.80	1.61	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.88	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	2.01	1.92	1.84	1.77	1.70	1.63	1.58	1.52	1.47	1.42	1.38	1.31	1.23
	268.40	SGU L/150	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.45	2.32	2.21	1.99	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.37	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.85	2.70	2.56	2.44	2.33	2.23	2.14	2.05	1.97	1.90	1.83	1.77	1.71	1.61	1.51	1.42	1.34
	286.97	SGU L/150	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.85	2.70	2.47	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.41	5.69	5.12	4.66	4.27	3.94	3.60	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.34	3.17	3.02	2.88	2.76	2.64	2.54	2.44	2.35	2.22	2.07	1.94	1.81	1.70	1.60	1.51
	317.04	SGU L/150	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.18	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.93	7.05	6.34	5.76	5.28	4.88	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.57	4.33	4.11	3.92	3.74	3.58	3.43	3.28	3.03	2.81	2.61	2.43	2.27	2.13	2.00	1.88	1.77
	362.09	SGU L/150	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.28	9.14	8.22	7.48	6.85	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	6.41	6.05	5.73	5.45	5.19	4.95	4.61	4.23	3.90	3.61	3.34	3.11	2.90	2.71	2.54	2.38	2.24	2.11
	418.00	SGU L/150	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	13.62	12.10	10.89	9.90	9.08	8.38	7.78	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	13.62	12.10	10.89	9.90	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	8.04	7.57	7.15	6.77	6.43	6.13	5.59	5.12	4.70	4.33	4.01	3.71	3.45	3.22	3.01	2.82	2.64	2.49	2.34
	454.96	SGU L/150	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	7.64	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.08	14.29	12.87	11.70	10.72	9.90	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.08	14.29	12.87	11.70	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	23.08	20.51	18.46	16.78	15.38	14.20	13.19	12.31	11.54	10.86	10.26	9.37	8.46	7.67	6.99	6.40	5.87	5.41	5.01	4.64	4.32	4.02	3.76	3.52	3.30	3.11	2.93
	547.51	SGU L/150	23.08	20.51	18.46	16.78	15.38	14.20	13.19	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	23.08	20.51	18.46	16.78	15.38	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	23.08	20.51	18.46	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans:		**2**	**support: 60 - 80 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.47	3.98	3.58	3.25	2.95	2.65	2.40	2.18	2.00	1.84	1.69	1.57	1.46	1.36	1.27	1.19	1.11	1.05	0.99	0.93	0.88	0.83	0.79	0.75	0.72	0.68	0.65
	210.37	SGU L/150	4.47	3.98	3.58	3.25	2.95	2.65	2.40	2.18	2.00	1.84	1.69	1.57	1.46	1.36	1.27	1.19	1.11	1.05	0.99	0.93	0.88	0.83	0.79	0.75	0.72	0.68	0.65
	219.01	SGU L/200	4.47	3.98	3.58	3.25	2.95	2.65	2.40	2.18	2.00	1.84	1.69	1.57	1.46	1.36	1.27	1.19	1.11	1.05	0.99	0.93	0.88	0.83	0.79	0.75	0.72	0.68	0.65
		SGU L/300	4.47	3.98	3.58	3.25	2.95	2.65	2.40	2.18	2.00	1.84	1.69	1.57	1.46	1.36	1.27	1.19	1.11	1.05	0.99	0.92	0.82	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.29	5.59	5.02	4.43	3.95	3.54	3.19	2.90	2.65	2.43	2.24	2.07	1.92	1.79	1.67	1.56	1.46	1.37	1.29	1.22	1.15	1.09	1.04	0.98	0.93	0.89	0.85
	249.75	SGU L/150	6.29	5.59	5.02	4.43	3.95	3.54	3.19	2.90	2.65	2.43	2.24	2.07	1.92	1.79	1.67	1.56	1.46	1.37	1.29	1.22	1.15	1.09	1.04	0.98	0.93	0.89	0.85
	255.51	SGU L/200	6.29	5.59	5.02	4.43	3.95	3.54	3.19	2.90	2.65	2.43	2.24	2.07	1.92	1.79	1.67	1.56	1.46	1.37	1.29	1.22	1.15	1.09	1.04	0.98	0.93	0.88	0.81
		SGU L/300	6.29	5.59	5.02	4.43	3.95	3.54	3.19	2.90	2.65	2.43	2.24	2.07	1.92	1.79	1.67	1.56	1.46	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.36	6.54	5.73	5.05	4.49	4.03	3.63	3.30	3.01	2.76	2.54	2.35	2.18	2.02	1.89	1.76	1.65	1.55	1.46	1.38	1.30	1.23	1.17	1.11	1.05	1.00	0.95
	268.40	SGU L/150	7.36	6.54	5.73	5.05	4.49	4.03	3.63	3.30	3.01	2.76	2.54	2.35	2.18	2.02	1.89	1.76	1.65	1.55	1.46	1.38	1.30	1.23	1.17	1.11	1.05	1.00	0.95
	273.76	SGU L/200	7.36	6.54	5.73	5.05	4.49	4.03	3.63	3.30	3.01	2.76	2.54	2.35	2.18	2.02	1.89	1.76	1.65	1.55	1.46	1.38	1.30	1.23	1.17	1.11	1.04	0.95	0.86
		SGU L/300	7.36	6.54	5.73	5.05	4.49	4.03	3.63	3.30	3.01	2.76	2.54	2.35	2.18	2.02	1.89	1.76	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.54	7.46	6.49	5.72	5.08	4.55	4.10	3.72	3.39	3.11	2.86	2.64	2.44	2.27	2.12	1.98	1.85	1.74	1.63	1.54	1.45	1.38	1.30	1.24	1.17	1.12	1.06
	286.97	SGU L/150	8.54	7.46	6.49	5.72	5.08	4.55	4.10	3.72	3.39	3.11	2.86	2.64	2.44	2.27	2.12	1.98	1.85	1.74	1.63	1.54	1.45	1.38	1.30	1.24	1.17	1.12	1.06
	292.01	SGU L/200	8.54	7.46	6.49	5.72	5.08	4.55	4.10	3.72	3.39	3.11	2.86	2.64	2.44	2.27	2.12	1.98	1.85	1.74	1.63	1.54	1.45	1.38	1.30	1.22	1.11	1.01	0.92
		SGU L/300	8.54	7.46	6.49	5.72	5.08	4.55	4.10	3.72	3.39	3.11	2.86	2.64	2.44	2.27	2.12	1.98	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	10.41	8.91	7.74	6.80	6.03	5.39	4.85	4.39	4.00	3.66	3.36	3.10	2.87	2.66	2.48	2.31	2.16	2.03	1.91	1.80	1.70	1.60	1.52	1.44	1.37	1.30	1.24
	317.04	SGU L/150	10.41	8.91	7.74	6.80	6.03	5.39	4.85	4.39	4.00	3.66	3.36	3.10	2.87	2.66	2.48	2.31	2.16	2.03	1.91	1.80	1.70	1.60	1.52	1.44	1.37	1.30	1.24
	321.21	SGU L/200	10.41	8.91	7.74	6.80	6.03	5.39	4.85	4.39	4.00	3.66	3.36	3.10	2.87	2.66	2.48	2.31	2.16	2.03	1.91	1.80	1.70	1.60	1.48	1.34	1.22	1.11	1.01
		SGU L/300	10.41	8.91	7.74	6.80	6.03	5.39	4.85	4.39	4.00	3.66	3.36	3.10	2.87	2.66	2.48	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	12.93	11.05	9.57	8.39	7.43	6.63	5.96	5.39	4.90	4.48	4.11	3.78	3.50	3.24	3.02	2.81	2.63	2.46	2.31	2.18	2.05	1.94	1.83	1.74	1.65	1.57	1.49
	362.09	SGU L/150	12.93	11.05	9.57	8.39	7.43	6.63	5.96	5.39	4.90	4.48	4.11	3.78	3.50	3.24	3.02	2.81	2.63	2.46	2.31	2.18	2.05	1.94	1.83	1.74	1.65	1.57	1.49
	365.01	SGU L/200	12.93	11.05	9.57	8.39	7.43	6.63	5.96	5.39	4.90	4.48	4.11	3.78	3.50	3.24	3.02	2.81	2.63	2.46	2.31	2.18	2.05	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	12.93	11.05	9.57	8.39	7.43	6.63	5.96	5.39	4.90	4.48	4.11	3.78	3.50	3.24	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	16.32	13.91	12.03	10.52	9.30	8.28	7.43	6.71	6.09	5.56	5.09	4.69	4.33	4.01	3.72	3.47	3.24	3.03	2.84	2.67	2.52	2.38	2.25	2.13	2.02	1.92	1.82
	418.00	SGU L/150	16.32	13.91	12.03	10.52	9.30	8.28	7.43	6.71	6.09	5.56	5.09	4.69	4.33	4.01	3.72	3.47	3.24	3.03	2.84	2.67	2.52	2.38	2.25	2.13	2.02	1.92	1.77
	419.75	SGU L/200	16.32	13.91	12.03	10.52	9.30	8.28	7.43	6.71	6.09	5.56	5.09	4.69	4.33	4.01	3.72	3.47	3.24	3.03	2.84	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	16.32	13.91	12.03	10.52	9.30	8.28	7.43	6.71	6.09	5.56	5.09	4.69	4.33	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	18.71	15.93	13.76	12.02	10.61	9.44	8.46	7.63	6.92	6.31	5.78	5.31	4.90	4.54	4.21	3.92	3.66	3.43	3.21	3.02	2.84	2.68	2.53	2.40	2.27	2.16	2.05
	454.96	SGU L/150	18.71	15.93	13.76	12.02	10.61	9.44	8.46	7.63	6.92	6.31	5.78	5.31	4.90	4.54	4.21	3.92	3.66	3.43	3.21	3.02	2.84	2.68	2.53	2.40	2.27	2.10	1.92
	456.26	SGU L/200	18.71	15.93	13.76	12.02	10.61	9.44	8.46	7.63	6.92	6.31	5.78	5.31	4.90	4.54	4.21	3.92	3.66	3.43	3.21	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	18.71	15.93	13.76	12.02	10.61	9.44	8.46	7.63	6.92	6.31	5.78	5.31	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	25.14	21.33	18.37	16.01	14.09	12.51	11.19	10.08	9.11	8.30	7.59	6.97	6.42	5.93	5.50	5.11	4.77	4.46	4.18	3.92	3.69	3.48	3.28	3.10	2.94	2.79	2.65
	547.51	SGU L/150	25.14	21.33	18.37	16.01	14.09	12.51	11.19	10.08	9.11	8.30	7.59	6.97	6.42	5.93	5.50	5.11	4.77	4.46	4.18	3.92	3.69	3.48	3.28	3.04	2.77	2.52	2.31
	547.51	SGU L/200	25.14	21.33	18.37	16.01	14.09	12.51	11.19	10.08	9.11	8.30	7.59	6.97	6.42	5.93	5.50	5.11	4.77	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	25.14	21.33	18.37	16.01	14.09	12.51	11.19	10.08	9.11	8.30	7.59	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans:		**3**	**support: 60 - 80 - 80 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.60	1.50	1.41	1.32	1.25	1.18	1.11	1.05	1.00	0.95	0.90	0.86	0.82	0.78
	210.37	SGU L/150	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.60	1.50	1.41	1.32	1.25	1.18	1.11	1.05	1.00	0.95	0.90	0.85	0.78	0.72
	219.01	SGU L/200	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.60	1.50	1.41	1.32	1.25	1.18	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
		SGU L/300	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.51	1.32	1.16	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.46	2.28	2.13	1.99	1.86	1.75	1.64	1.55	1.46	1.38	1.31	1.24	1.18	1.12	1.07	1.02
	249.75	SGU L/150	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.46	2.28	2.13	1.99	1.86	1.75	1.64	1.55	1.46	1.38	1.31	1.22	1.10	1.01	0.92	0.84
	255.51	SGU L/200	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.46	2.28	2.13	1.99	1.86	1.75	1.58	1.41	1.26	1.13	1.02	0.92	0.83	0.76	0.69	0.63
		SGU L/300	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.39	2.06	1.78	1.55	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.01	2.79	2.59	2.41	2.25	2.10	1.97	1.86	1.75	1.65	1.56	1.48	1.40	1.33	1.27	1.21	1.15
	268.40	SGU L/150	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.01	2.79	2.59	2.41	2.25	2.10	1.97	1.86	1.75	1.65	1.56	1.45	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.01	2.79	2.59	2.41	2.25	2.10	1.91	1.70	1.51	1.35	1.21	1.09	0.99	0.90	0.81	0.74	0.68
		SGU L/300	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.01	2.57	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.69	3.40	3.14	2.91	2.71	2.53	2.36	2.21	2.08	1.96	1.85	1.75	1.65	1.57	1.49	1.41	1.35	1.28
	286.97	SGU L/150	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.69	3.40	3.14	2.91	2.71	2.53	2.36	2.21	2.08	1.96	1.85	1.72	1.55	1.40	1.27	1.16	1.05	0.97
	292.01	SGU L/200	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.69	3.40	3.14	2.91	2.71	2.53	2.32	2.05	1.82	1.62	1.44	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.69	3.23	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.20	4.75	4.35	4.00	3.69	3.42	3.18	2.96	2.77	2.59	2.43	2.29	2.16	2.04	1.93	1.83	1.73	1.65	1.57	1.49
	317.04	SGU L/150	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.20	4.75	4.35	4.00	3.69	3.42	3.18	2.96	2.77	2.59	2.43	2.29	2.11	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.20	4.75	4.35	4.00	3.69	3.42	3.18	2.93	2.56	2.26	2.00	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.20	4.75	4.23	3.57	3.04	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.85	11.42	10.28	9.34	8.57	7.84	7.06	6.40	5.82	5.33	4.90	4.52	4.18	3.88	3.61	3.37	3.16	2.96	2.78	2.62	2.47	2.34	2.21	2.10	1.99	1.89	1.80
	362.09	SGU L/150	12.85	11.42	10.28	9.34	8.57	7.84	7.06	6.40	5.82	5.33	4.90	4.52	4.18	3.88	3.61	3.37	3.16	2.96	2.69	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.85	11.42	10.28	9.34	8.57	7.84	7.06	6.40	5.82	5.33	4.90	4.52	4.18	3.83	3.34	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.85	11.42	10.28	9.34	8.57	7.84	7.06	6.40	5.78	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.02	15.13	13.62	12.38	11.00	9.82	8.83	7.98	7.26	6.63	6.09	5.61	5.18	4.81	4.47	4.17	3.90	3.65	3.43	3.23	3.04	2.87	2.72	2.57	2.44	2.32	2.21
	418.00	SGU L/150	17.02	15.13	13.62	12.38	11.00	9.82	8.83	7.98	7.26	6.63	6.09	5.61	5.18	4.81	4.47	4.17	3.90	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.02	15.13	13.62	12.38	11.00	9.82	8.83	7.98	7.26	6.63	6.09	5.61	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.02	15.13	13.62	12.38	11.00	9.82	8.83	7.98	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	20.10	17.87	16.08	14.22	12.57	11.21	10.06	9.09	8.26	7.54	6.91	6.37	5.88	5.45	5.06	4.72	4.41	4.13	3.88	3.65	3.44	3.24	3.07	2.91	2.76	2.62	2.49
	454.96	SGU L/150	20.10	17.87	16.08	14.22	12.57	11.21	10.06	9.09	8.26	7.54	6.91	6.37	5.88	5.45	5.06	4.72	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	20.10	17.87	16.08	14.22	12.57	11.21	10.06	9.09	8.26	7.54	6.91	6.37	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	20.10	17.87	16.08	14.22	12.57	11.21	10.06	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	28.84	25.18	21.74	18.98	16.74	14.89	13.35	12.03	10.91	9.94	9.10	8.37	7.72	7.14	6.63	6.17	5.76	5.39	5.05	4.75	4.47	4.21	3.98	3.77	3.57	3.39	3.22
	547.51	SGU L/150	28.84	25.18	21.74	18.98	16.74	14.89	13.35	12.03	10.91	9.94	9.10	8.37	7.72	7.14	6.63	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	28.84	25.18	21.74	18.98	16.74	14.89	13.35	12.03	10.91	9.94	9.10	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	28.84	25.18	21.74	18.98	16.74	14.89	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S320 GD



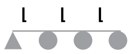
T130-v2			Positive																										
Number of spans:		**1**	**support: 60 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.24	1.19	1.14	1.09	1.05	1.02	0.98	0.95	0.92	0.89	0.86	0.84
	202.30	SGU L/150	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.19	1.12
	240.90	SGU L/150	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.79	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.13	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.07	1.98	1.90	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.39	1.31	1.23
	259.97	SGU L/150	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.70	5.07	4.56	4.15	3.80	3.51	3.25	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.61	2.48	2.37	2.27	2.17	2.09	2.00	1.93	1.86	1.80	1.73	1.62	1.52	1.43	1.35
	282.23	SGU L/150	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	2.95	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.52	5.79	5.21	4.74	4.34	4.01	3.53	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.34	3.17	3.02	2.88	2.76	2.64	2.54	2.44	2.35	2.24	2.09	1.95	1.83	1.72	1.62	1.52
	313.34	SGU L/150	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.14	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.93	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.93	7.05	6.34	5.76	5.28	4.88	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.57	4.33	4.11	3.92	3.74	3.58	3.43	3.29	3.05	2.82	2.63	2.45	2.29	2.14	2.01	1.89	1.78
	359.00	SGU L/150	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.47	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.28	9.14	8.22	7.48	6.85	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	6.41	6.05	5.73	5.45	5.19	4.95	4.62	4.24	3.91	3.62	3.35	3.12	2.91	2.72	2.54	2.39	2.24	2.11
	416.12	SGU L/150	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	13.62	12.10	10.89	9.90	9.08	8.38	7.78	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	13.62	12.10	10.89	9.90	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	8.04	7.57	7.15	6.77	6.43	6.13	5.59	5.12	4.70	4.33	4.00	3.71	3.45	3.22	3.01	2.82	2.64	2.49	2.34
	453.28	SGU L/150	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	7.62	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.08	14.29	12.87	11.70	10.72	9.90	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.08	14.29	12.87	11.69	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	23.08	20.51	18.46	16.78	15.38	14.20	13.19	12.31	11.54	10.86	10.26	9.36	8.45	7.67	6.98	6.39	5.87	5.41	5.00	4.64	4.31	4.02	3.76	3.52	3.30	3.10	2.92
	547.51	SGU L/150	23.08	20.51	18.46	16.78	15.38	14.20	13.19	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	23.08	20.51	18.46	16.78	15.38	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	23.08	20.51	18.46	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans:		**2**	**support: 60 - 120 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.74	4.21	3.79	3.45	3.16	2.92	2.71	2.51	2.28	2.09	1.93	1.78	1.65	1.53	1.43	1.33	1.25	1.17	1.10	1.04	0.98	0.93	0.88	0.83	0.79	0.75	0.72
	202.30	SGU L/150	4.74	4.21	3.79	3.45	3.16	2.92	2.71	2.51	2.28	2.09	1.93	1.78	1.65	1.53	1.43	1.33	1.25	1.17	1.10	1.04	0.98	0.93	0.88	0.83	0.79	0.75	0.72
	219.01	SGU L/200	4.74	4.21	3.79	3.45	3.16	2.92	2.71	2.51	2.28	2.09	1.93	1.78	1.65	1.53	1.43	1.33	1.25	1.17	1.10	1.04	0.98	0.93	0.88	0.83	0.79	0.75	0.69
		SGU L/300	4.74	4.21	3.79	3.45	3.16	2.92	2.71	2.51	2.28	2.09	1.93	1.78	1.65	1.53	1.43	1.33	1.25	1.15	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.58	5.85	5.26	4.78	4.39	4.01	3.61	3.27	2.97	2.72	2.50	2.31	2.13	1.98	1.84	1.72	1.61	1.51	1.42	1.33	1.26	1.19	1.13	1.07	1.01	0.96	0.92
	240.90	SGU L/150	6.58	5.85	5.26	4.78	4.39	4.01	3.61	3.27	2.97	2.72	2.50	2.31	2.13	1.98	1.84	1.72	1.61	1.51	1.42	1.33	1.26	1.19	1.13	1.07	1.01	0.96	0.92
	255.51	SGU L/200	6.58	5.85	5.26	4.78	4.39	4.01	3.61	3.27	2.97	2.72	2.50	2.31	2.13	1.98	1.84	1.72	1.61	1.51	1.42	1.33	1.26	1.19	1.13	1.06	0.97	0.88	0.81
		SGU L/300	6.58	5.85	5.26	4.78	4.39	4.01	3.61	3.27	2.97	2.72	2.50	2.31	2.13	1.98	1.84	1.72	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.60	6.76	6.08	5.53	5.04	4.50	4.05	3.66	3.33	3.04	2.80	2.58	2.38	2.21	2.05	1.92	1.79	1.68	1.58	1.49	1.40	1.32	1.25	1.19	1.13	1.07	1.02
	259.97	SGU L/150	7.60	6.76	6.08	5.53	5.04	4.50	4.05	3.66	3.33	3.04	2.80	2.58	2.38	2.21	2.05	1.92	1.79	1.68	1.58	1.49	1.40	1.32	1.25	1.19	1.13	1.07	1.02
	273.76	SGU L/200	7.60	6.76	6.08	5.53	5.04	4.50	4.05	3.66	3.33	3.04	2.80	2.58	2.38	2.21	2.05	1.92	1.79	1.68	1.58	1.49	1.40	1.32	1.25	1.14	1.04	0.95	0.86
		SGU L/300	7.60	6.76	6.08	5.53	5.04	4.50	4.05	3.66	3.33	3.04	2.80	2.58	2.38	2.21	2.05	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.69	7.72	6.95	6.32	5.61	5.00	4.50	4.07	3.70	3.38	3.10	2.85	2.64	2.44	2.27	2.12	1.98	1.86	1.74	1.64	1.55	1.46	1.38	1.31	1.24	1.18	1.12
	282.23	SGU L/150	8.69	7.72	6.95	6.32	5.61	5.00	4.50	4.07	3.70	3.38	3.10	2.85	2.64	2.44	2.27	2.12	1.98	1.86	1.74	1.64	1.55	1.46	1.38	1.31	1.24	1.18	1.12
	292.01	SGU L/200	8.69	7.72	6.95	6.32	5.61	5.00	4.50	4.07	3.70	3.38	3.10	2.85	2.64	2.44	2.27	2.12	1.98	1.86	1.74	1.64	1.55	1.46	1.34	1.22	1.11	1.01	0.92
		SGU L/300	8.69	7.72	6.95	6.32	5.61	5.00	4.50	4.07	3.70	3.38	3.10	2.85	2.64	2.44	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	10.57	9.39	8.45	7.42	6.56	5.84	5.24	4.74	4.30	3.93	3.60	3.31	3.06	2.83	2.63	2.45	2.29	2.15	2.01	1.89	1.78	1.68	1.59	1.51	1.43	1.36	1.29
	313.34	SGU L/150	10.57	9.39	8.45	7.42	6.56	5.84	5.24	4.74	4.30	3.93	3.60	3.31	3.06	2.83	2.63	2.45	2.29	2.15	2.01	1.89	1.78	1.68	1.59	1.51	1.43	1.36	1.29
	321.21	SGU L/200	10.57	9.39	8.45	7.42	6.56	5.84	5.24	4.74	4.30	3.93	3.60	3.31	3.06	2.83	2.63	2.45	2.29	2.15	2.01	1.89	1.78	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	10.57	9.39	8.45	7.42	6.56	5.84	5.24	4.74	4.30	3.93	3.60	3.31	3.06	2.83	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	13.71	12.10	10.45	9.13	8.06	7.17	6.42	5.79	5.26	4.79	4.39	4.03	3.72	3.44	3.20	2.98	2.78	2.60	2.44	2.29	2.16	2.03	1.92	1.82	1.72	1.64	1.56
	359.00	SGU L/150	13.71	12.10	10.45	9.13	8.06	7.17	6.42	5.79	5.26	4.79	4.39	4.03	3.72	3.44	3.20	2.98	2.78	2.60	2.44	2.29	2.16	2.03	1.92	1.82	1.72	1.64	1.54
	365.01	SGU L/200	13.71	12.10	10.45	9.13	8.06	7.17	6.42	5.79	5.26	4.79	4.39	4.03	3.72	3.44	3.20	2.98	2.78	2.60	2.44	2.29	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	13.71	12.10	10.45	9.13	8.06	7.17	6.42	5.79	5.26	4.79	4.39	4.03	3.72	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	17.88	15.18	13.08	11.40	10.04	8.92	7.98	7.19	6.51	5.93	5.43	4.98	4.59	4.24	3.94	3.66	3.41	3.19	2.99	2.81	2.64	2.49	2.35	2.22	2.11	2.00	1.90
	416.12	SGU L/150	17.88	15.18	13.08	11.40	10.04	8.92	7.98	7.19	6.51	5.93	5.43	4.98	4.59	4.24	3.94	3.66	3.41	3.19	2.99	2.81	2.64	2.49	2.35	2.22	2.11	1.93	1.77
	419.75	SGU L/200	17.88	15.18	13.08	11.40	10.04	8.92	7.98	7.19	6.51	5.93	5.43	4.98	4.59	4.24	3.94	3.66	3.41	3.19	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	17.88	15.18	13.08	11.40	10.04	8.92	7.98	7.19	6.51	5.93	5.43	4.98	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	20.45	17.34	14.92	13.00	11.43	10.15	9.07	8.16	7.39	6.72	6.15	5.65	5.20	4.80	4.45	4.14	3.86	3.60	3.38	3.17	2.98	2.81	2.65	2.51	2.37	2.25	2.14
	453.28	SGU L/150	20.45	17.34	14.92	13.00	11.43	10.15	9.07	8.16	7.39	6.72	6.15	5.65	5.20	4.80	4.45	4.14	3.86	3.60	3.38	3.17	2.98	2.81	2.65	2.51	2.30	2.10	1.92
	456.26	SGU L/200	20.45	17.34	14.92	13.00	11.43	10.15	9.07	8.16	7.39	6.72	6.15	5.65	5.20	4.80	4.45	4.14	3.86	3.60	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	20.45	17.34	14.92	13.00	11.43	10.15	9.07	8.16	7.39	6.72	6.15	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	27.33	23.10	19.82	17.22	15.11	13.38	11.94	10.73	9.68	8.80	8.03	7.36	6.77	6.25	5.79	5.37	5.00	4.67	4.37	4.10	3.85	3.63	3.42	3.23	3.06	2.90	2.75
	547.51	SGU L/150	27.33	23.10	19.82	17.22	15.11	13.38	11.94	10.73	9.68	8.80	8.03	7.36	6.77	6.25	5.79	5.37	5.00	4.67	4.37	4.10	3.85	3.63	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	27.33	23.10	19.82	17.22	15.11	13.38	11.94	10.73	9.68	8.80	8.03	7.36	6.77	6.25	5.79	5.37	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	27.33	23.10	19.82	17.22	15.11	13.38	11.94	10.73	9.68	8.80	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans:		**3**	**support: 60 - 120 - 120 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.78	1.69	1.62	1.55	1.48	1.40	1.32	1.24	1.18	1.11	1.05	1.00	0.95	0.91	0.86
	202.30	SGU L/150	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.78	1.69	1.62	1.55	1.48	1.40	1.32	1.24	1.18	1.11	1.00	0.91	0.84	0.77	0.71
	219.01	SGU L/200	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.78	1.69	1.62	1.55	1.46	1.30	1.17	1.05	0.95	0.86	0.78	0.71	0.64	0.59	0.54
		SGU L/300	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.69	1.49	1.31	1.15	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.20	2.06	1.93	1.81	1.70	1.60	1.51	1.43	1.36	1.29	1.22	1.16	1.11
	240.90	SGU L/150	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.20	2.06	1.93	1.81	1.70	1.60	1.47	1.33	1.22	1.10	1.01	0.92	0.84
	255.51	SGU L/200	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.20	1.99	1.77	1.58	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.39	2.06	1.79	1.56	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.17	3.00	2.85	2.64	2.46	2.30	2.15	2.02	1.90	1.79	1.69	1.59	1.51	1.43	1.36	1.29	1.23
	259.97	SGU L/150	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.17	3.00	2.85	2.64	2.46	2.30	2.15	2.02	1.90	1.78	1.60	1.44	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.17	3.00	2.85	2.64	2.46	2.16	1.91	1.70	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.01	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.07	3.83	3.62	3.41	3.15	2.93	2.72	2.54	2.38	2.23	2.10	1.97	1.86	1.76	1.67	1.58	1.50	1.43	1.36
	282.23	SGU L/150	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.07	3.83	3.62	3.41	3.15	2.93	2.72	2.54	2.38	2.23	2.10	1.90	1.71	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.07	3.83	3.62	3.41	3.15	2.93	2.64	2.32	2.05	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.07	3.81	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.30	3.96	3.66	3.40	3.16	2.95	2.76	2.58	2.43	2.28	2.15	2.03	1.92	1.82	1.73	1.65	1.57
	313.34	SGU L/150	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.30	3.96	3.66	3.40	3.16	2.95	2.76	2.58	2.35	2.11	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.30	3.96	3.66	3.35	2.92	2.57	2.26	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.27	5.73	5.25	4.83	4.46	4.14	3.84	3.58	3.35	3.13	2.94	2.77	2.61	2.46	2.33	2.20	2.09	1.99	1.89
	359.00	SGU L/150	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.27	5.73	5.25	4.83	4.46	4.14	3.84	3.58	3.35	3.03	2.69	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.27	5.73	5.25	4.83	4.43	3.83	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	5.78	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.02	15.13	13.62	12.38	11.35	10.47	9.52	8.58	7.79	7.10	6.50	5.98	5.52	5.11	4.74	4.41	4.12	3.86	3.62	3.40	3.20	3.02	2.85	2.70	2.56	2.43	2.31
	416.12	SGU L/150	17.02	15.13	13.62	12.38	11.35	10.47	9.52	8.58	7.79	7.10	6.50	5.98	5.52	5.11	4.74	4.41	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.02	15.13	13.62	12.38	11.35	10.47	9.52	8.58	7.79	7.10	6.50	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.02	15.13	13.62	12.38	11.35	10.47	9.52	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	20.10	17.87	16.08	14.62	13.40	12.09	10.83	9.76	8.85	8.06	7.38	6.78	6.26	5.79	5.37	5.00	4.66	4.36	4.09	3.84	3.61	3.41	3.22	3.05	2.89	2.74	2.60
	453.28	SGU L/150	20.10	17.87	16.08	14.62	13.40	12.09	10.83	9.76	8.85	8.06	7.38	6.78	6.26	5.79	5.37	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	20.10	17.87	16.08	14.62	13.40	12.09	10.83	9.76	8.85	8.06	7.38	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	20.10	17.87	16.08	14.62	13.40	12.09	10.82	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	28.84	25.64	23.08	20.49	18.02	15.98	14.29	12.85	11.63	10.57	9.66	8.87	8.17	7.55	6.99	6.50	6.06	5.66	5.30	4.98	4.68	4.41	4.16	3.93	3.72	3.53	3.35
	547.51	SGU L/150	28.84	25.64	23.08	20.49	18.02	15.98	14.29	12.85	11.63	10.57	9.66	8.87	8.17	7.55	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	28.84	25.64	23.08	20.49	18.02	15.98	14.29	12.85	11.63	10.57	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	28.84	25.64	23.08	20.49	18.02	15.98	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S320 GD

T130-v2			Negative																										
Number of spans:		1	support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.28	1.22	1.17	1.12	1.07	1.03	0.99	0.96	0.93	0.89	0.87	0.84	0.81	0.79
	210.37	SGU L/150	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.28	1.22	1.17	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	219.01	SGU L/200	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.99	1.89	1.80	1.72	1.64	1.57	1.51	1.45	1.40	1.35	1.30	1.26	1.22	1.18	1.14	1.11
	249.75	SGU L/150	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.99	1.89	1.80	1.61	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.88	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	2.01	1.92	1.84	1.77	1.70	1.63	1.58	1.52	1.47	1.42	1.38	1.31	1.23
	268.40	SGU L/150	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.45	2.32	2.21	1.99	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.37	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.85	2.70	2.56	2.44	2.33	2.23	2.14	2.05	1.97	1.90	1.83	1.77	1.71	1.61	1.51	1.42	1.34
	286.97	SGU L/150	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.85	2.70	2.47	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.41	5.69	5.12	4.66	4.27	3.94	3.60	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.34	3.17	3.02	2.88	2.76	2.64	2.54	2.44	2.35	2.22	2.07	1.94	1.81	1.70	1.60	1.51
	317.04	SGU L/150	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.18	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.93	7.05	6.34	5.76	5.28	4.88	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.57	4.33	4.11	3.92	3.74	3.58	3.43	3.28	3.03	2.81	2.61	2.43	2.27	2.13	2.00	1.88	1.77
	362.09	SGU L/150	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.28	9.14	8.22	7.48	6.85	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	6.41	6.05	5.73	5.45	5.19	4.95	4.61	4.23	3.90	3.61	3.34	3.11	2.90	2.71	2.54	2.38	2.24	2.11
	418.00	SGU L/150	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	13.62	12.10	10.89	9.90	9.08	8.38	7.78	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	13.62	12.10	10.89	9.90	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	8.04	7.57	7.15	6.77	6.43	6.13	5.59	5.12	4.70	4.33	4.01	3.71	3.45	3.22	3.01	2.82	2.64	2.49	2.34
	454.96	SGU L/150	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	7.64	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.08	14.29	12.87	11.70	10.72	9.90	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.08	14.29	12.87	11.70	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	23.08	20.51	18.46	16.78	15.38	14.20	13.19	12.31	11.54	10.86	10.26	9.37	8.46	7.67	6.99	6.40	5.87	5.41	5.01	4.64	4.32	4.02	3.76	3.52	3.30	3.11	2.93
	547.51	SGU L/150	23.08	20.51	18.46	16.78	15.38	14.20	13.19	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	23.08	20.51	18.46	16.78	15.38	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	23.08	20.51	18.46	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

Number of spans:		2	support: 60 - 120 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.47	3.98	3.58	3.25	2.98	2.75	2.56	2.39	2.19	2.01	1.85	1.71	1.58	1.47	1.37	1.28	1.20	1.13	1.06	1.00	0.95	0.89	0.85	0.80	0.76	0.73	0.69
	210.37	SGU L/150	4.47	3.98	3.58	3.25	2.98	2.75	2.56	2.39	2.19	2.01	1.85	1.71	1.58	1.47	1.37	1.28	1.20	1.13	1.06	1.00	0.95	0.89	0.85	0.80	0.76	0.73	0.69
	219.01	SGU L/200	4.47	3.98	3.58	3.25	2.98	2.75	2.56	2.39	2.19	2.01	1.85	1.71	1.58	1.47	1.37	1.28	1.20	1.13	1.06	1.00	0.95	0.89	0.85	0.80	0.76	0.73	0.69
		SGU L/300	4.47	3.98	3.58	3.25	2.98	2.75	2.56	2.39	2.19	2.01	1.85	1.71	1.58	1.47	1.37	1.28	1.20	1.13	1.03	0.92	0.82	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.29	5.59	5.03	4.57	4.19	3.87	3.50	3.18	2.89	2.65	2.44	2.25	2.08	1.93	1.80	1.68	1.57	1.47	1.39	1.31	1.23	1.16	1.10	1.05	0.99	0.94	0.90
	249.75	SGU L/150	6.29	5.59	5.03	4.57	4.19	3.87	3.50	3.18	2.89	2.65	2.44	2.25	2.08	1.93	1.80	1.68	1.57	1.47	1.39	1.31	1.23	1.16	1.10	1.05	0.99	0.94	0.90
	255.51	SGU L/200	6.29	5.59	5.03	4.57	4.19	3.87	3.50	3.18	2.89	2.65	2.44	2.25	2.08	1.93	1.80	1.68	1.57	1.47	1.39	1.31	1.23	1.16	1.10	1.05	0.97	0.88	0.81
		SGU L/300	6.29	5.59	5.03	4.57	4.19	3.87	3.50	3.18	2.89	2.65	2.44	2.25	2.08	1.93	1.80	1.68	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.36	6.54	5.89	5.35	4.90	4.41	3.97	3.60	3.28	3.00	2.75	2.54	2.35	2.18	2.03	1.89	1.77	1.66	1.56	1.47	1.39	1.31	1.24	1.18	1.12	1.06	1.01
	268.40	SGU L/150	7.36	6.54	5.89	5.35	4.90	4.41	3.97	3.60	3.28	3.00	2.75	2.54	2.35	2.18	2.03	1.89	1.77	1.66	1.56	1.47	1.39	1.31	1.24	1.18	1.12	1.06	1.01
	273.76	SGU L/200	7.36	6.54	5.89	5.35	4.90	4.41	3.97	3.60	3.28	3.00	2.75	2.54	2.35	2.18	2.03	1.89	1.77	1.66	1.56	1.47	1.39	1.31	1.24	1.14	1.04	0.95	0.86
		SGU L/300	7.36	6.54	5.89	5.35	4.90	4.41	3.97	3.60	3.28	3.00	2.75	2.54	2.35	2.18	2.03	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.54	7.59	6.83	6.21	5.57	4.98	4.48	4.05	3.68	3.37	3.09	2.85	2.63	2.44	2.27	2.12	1.98	1.86	1.74	1.64	1.55	1.46	1.38	1.31	1.24	1.18	1.12
	286.97	SGU L/150	8.54	7.59	6.83	6.21	5.57	4.98	4.48	4.05	3.68	3.37	3.09	2.85	2.63	2.44	2.27	2.12	1.98	1.86	1.74	1.64	1.55	1.46	1.38	1.31	1.24	1.18	1.12
	292.01	SGU L/200	8.54	7.59	6.83	6.21	5.57	4.98	4.48	4.05	3.68	3.37	3.09	2.85	2.63	2.44	2.27	2.12	1.98	1.86	1.74	1.64	1.55	1.46	1.34	1.22	1.11	1.01	0.92
		SGU L/300	8.54	7.59	6.83	6.21	5.57	4.98	4.48	4.05	3.68	3.37	3.09	2.85	2.63	2.44	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	10.57	9.39	8.45	7.45	6.59	5.87	5.27	4.76	4.33	3.95	3.62	3.33	3.08	2.85	2.65	2.47	2.31	2.16	2.03	1.91	1.80	1.69	1.60	1.52	1.44	1.37	1.30
	317.04	SGU L/150	10.57	9.39	8.45	7.45	6.59	5.87	5.27	4.76	4.33	3.95	3.62	3.33	3.08	2.85	2.65	2.47	2.31	2.16	2.03	1.91	1.80	1.69	1.60	1.52	1.44	1.37	1.30
	321.21	SGU L/200	10.57	9.39	8.45	7.45	6.59	5.87	5.27	4.76	4.33	3.95	3.62	3.33	3.08	2.85	2.65	2.47	2.31	2.16	2.03	1.91	1.80	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	10.57	9.39	8.45	7.45	6.59	5.87	5.27	4.76	4.33	3.95	3.62	3.33	3.08	2.85	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	13.71	12.14	10.48	9.16	8.08	7.19	6.45	5.81	5.27	4.81	4.40	4.05	3.73	3.46	3.21	2.99	2.79	2.61	2.45	2.30	2.16	2.04	1.93	1.83	1.73	1.64	1.56
	362.09	SGU L/150	13.71	12.14	10.48	9.16	8.08	7.19	6.45	5.81	5.27	4.81	4.40	4.05	3.73	3.46	3.21	2.99	2.79	2.61	2.45	2.30	2.16	2.04	1.93	1.83	1.73	1.64	1.54
	365.01	SGU L/200	13.71	12.14	10.48	9.16	8.08	7.19	6.45	5.81	5.27	4.81	4.40	4.05	3.73	3.46	3.21	2.99	2.79	2.61	2.45	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	13.71	12.14	10.48	9.16	8.08	7.19	6.45	5.81	5.27	4.81	4.40	4.05	3.73	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	17.91	15.21	13.11	11.43	10.06	8.94	8.00	7.20	6.53	5.94	5.43	4.99	4.60	4.25	3.94	3.67	3.42	3.20	3.00	2.81	2.65	2.49	2.36	2.23	2.11	2.00	1.90
	418.00	SGU L/150	17.91	15.21	13.11	11.43	10.06	8.94	8.00	7.20	6.53	5.94	5.43	4.99	4.60	4.25	3.94	3.67	3.42	3.20	3.00	2.81	2.65	2.49	2.36	2.23	2.11	1.93	1.77
	419.75	SGU L/200	17.91	15.21	13.11	11.43	10.06	8.94	8.00	7.20	6.53	5.94	5.43	4.99	4.60	4.25	3.94	3.67	3.42	3.20	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	17.91	15.21	13.11	11.43	10.06	8.94	8.00	7.20	6.53	5.94	5.43	4.99	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	20.49	17.37	14.95	13.02	11.45	10.16	9.08	8.17	7.40	6.73	6.15	5.64	5.20	4.80	4.45	4.14	3.86	3.60	3.38	3.17	2.98	2.81	2.65	2.51	2.37	2.25	2.14
	454.96	SGU L/150	20.49	17.37	14.95	13.02	11.45	10.16	9.08	8.17	7.40	6.73	6.15	5.64	5.20	4.80	4.45	4.14	3.86	3.60	3.38	3.17	2.98	2.81	2.65	2.51	2.30	2.10	1.92
	456.26	SGU L/200	20.49	17.37	14.95	13.02	11.45	10.16	9.08	8.17	7.40	6.73	6.15	5.64	5.20	4.80	4.45	4.14	3.86	3.60	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	20.49	17.37	14.95	13.02	11.45	10.16	9.08	8.17	7.40	6.73	6.15	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	27.35	23.12	19.84	17.23	15.12	13.39	11.94	10.73	9.68	8.80	8.03	7.36	6.77	6.24	5.78	5.37	5.00	4.67	4.37	4.09	3.85	3.62	3.42	3.23	3.06	2.90	2.75
	547.51	SGU L/150	27.35	23.12	19.84	17.23	15.12	13.39	11.94	10.73	9.68	8.80	8.03	7.36	6.77	6.24	5.78	5.37	5.00	4.67	4.37	4.09	3.85	3.62	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	27.35	23.12	19.84	17.23	15.12	13.39	11.94	10.73	9.68	8.80	8.03	7.36	6.77	6.24	5.78	5.37	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	27.35	23.12	19.84	17.23	15.12	13.39	11.94	10.73	9.68	8.80	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15



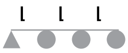
Number of spans:		3	support: 60 - 120 - 120 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.60	1.52	1.46	1.40	1.34	1.27	1.20	1.13	1.07	1.02	0.97	0.92	0.88	0.83
	210.37	SGU L/150	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.60	1.52	1.46	1.40	1.34	1.27	1.20	1.13	1.07	1.02	0.94	0.86	0.78	0.72
	219.01	SGU L/200	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.60	1.52	1.46	1.40	1.34	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
		SGU L/300	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.51	1.32	1.16	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.48	2.36	2.25	2.14	2.01	1.88	1.77	1.66	1.57	1.48	1.40	1.33	1.26	1.20	1.14	1.09
	249.75	SGU L/150	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.48	2.36	2.25	2.14	2.01	1.88	1.77	1.66	1.57	1.48	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.48	2.36	2.25	2.14	2.01	1.78	1.58	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.39	2.06	1.79	1.56	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.07	2.90	2.76	2.61	2.43	2.27	2.12	1.99	1.87	1.77	1.67	1.58	1.49	1.42	1.35	1.28	1.22
	268.40	SGU L/150	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.07	2.90	2.76	2.61	2.43	2.27	2.12	1.99	1.87	1.77	1.61	1.45	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.07	2.90	2.76	2.61	2.43	2.17	1.92	1.70	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.02	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.77	3.56	3.37	3.15	2.92	2.72	2.54	2.38	2.23	2.09	1.97	1.86	1.76	1.67	1.58	1.50	1.43	1.36
	286.97	SGU L/150	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.77	3.56	3.37	3.15	2.92	2.72	2.54	2.38	2.23	2.09	1.91	1.72	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.77	3.56	3.37	3.15	2.92	2.65	2.33	2.05	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.77	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.32	3.98	3.68	3.42	3.18	2.96	2.77	2.60	2.44	2.30	2.17	2.05	1.94	1.84	1.74	1.66	1.58
	317.04	SGU L/150	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.32	3.98	3.68	3.42	3.18	2.96	2.77	2.60	2.37	2.11	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.32	3.98	3.68	3.37	2.93	2.57	2.26	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.29	5.74	5.27	4.85	4.48	4.15	3.86	3.59	3.36	3.15	2.95	2.78	2.62	2.47	2.34	2.21	2.10	1.99	1.90
	362.09	SGU L/150	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.29	5.74	5.27	4.85	4.48	4.15	3.86	3.59	3.36	3.03	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.29	5.74	5.27	4.85	4.44	3.84	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	5.79	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.02	15.13	13.62	12.38	11.35	10.47	9.53	8.60	7.80	7.11	6.51	5.99	5.53	5.12	4.75	4.42	4.13	3.86	3.62	3.40	3.21	3.02	2.86	2.70	2.56	2.43	2.31
	418.00	SGU L/150	17.02	15.13	13.62	12.38	11.35	10.47	9.53	8.60	7.80	7.11	6.51	5.99	5.53	5.12	4.75	4.42	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.02	15.13	13.62	12.38	11.35	10.47	9.53	8.60	7.80	7.11	6.51	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.02	15.13	13.62	12.38	11.35	10.47	9.53	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	20.10	17.87	16.08	14.62	13.40	12.10	10.84	9.77	8.86	8.07	7.38	6.78	6.25	5.79	5.37	5.00	4.66	4.36	4.09	3.84	3.61	3.41	3.22	3.04	2.89	2.74	2.60
	454.96	SGU L/150	20.10	17.87	16.08	14.62	13.40	12.10	10.84	9.77	8.86	8.07	7.38	6.78	6.25	5.79	5.37	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	20.10	17.87	16.08	14.62	13.40	12.10	10.84	9.77	8.86	8.07	7.38	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	20.10	17.87	16.08	14.62	13.40	12.10	10.82	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	28.84	25.64	23.08	20.50	18.03	15.99	14.29	12.85	11.63	10.57	9.66	8.87	8.17	7.54	6.99	6.50	6.06	5.66	5.30	4.97	4.68	4.41	4.16	3.93	3.72	3.53	3.35
	547.51	SGU L/150	28.84	25.64	23.08	20.50	18.03	15.99	14.29	12.85	11.63	10.57	9.66	8.87	8.17	7.54	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	28.84	25.64	23.08	20.50	18.03	15.99	14.29	12.85	11.63	10.57	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	28.84	25.64	23.08	20.50	18.03	15.99	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S320 GD

T130-v2			Positive																										
Number of spans:		1	support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.24	1.19	1.14	1.09	1.05	1.02	0.98	0.95	0.92	0.89	0.86	0.84
	202.30	SGU L/150	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.19	1.12
	240.90	SGU L/150	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.79	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.13	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.07	1.98	1.90	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.39	1.31	1.23
	259.97	SGU L/150	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.70	5.07	4.56	4.15	3.80	3.51	3.25	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.61	2.48	2.37	2.27	2.17	2.09	2.00	1.93	1.86	1.80	1.73	1.62	1.52	1.43	1.35
	282.23	SGU L/150	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	2.95	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.52	5.79	5.21	4.74	4.34	4.01	3.53	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.34	3.17	3.02	2.88	2.76	2.64	2.54	2.44	2.35	2.24	2.09	1.95	1.83	1.72	1.62	1.52
	313.34	SGU L/150	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.14	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.93	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.93	7.05	6.34	5.76	5.28	4.88	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.57	4.33	4.11	3.92	3.74	3.58	3.43	3.29	3.05	2.82	2.63	2.45	2.29	2.14	2.01	1.89	1.78
	359.00	SGU L/150	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.47	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.28	9.14	8.22	7.48	6.85	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	6.41	6.05	5.73	5.45	5.19	4.95	4.62	4.24	3.91	3.62	3.35	3.12	2.91	2.72	2.54	2.39	2.24	2.11
	416.12	SGU L/150	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	13.62	12.10	10.89	9.90	9.08	8.38	7.78	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	13.62	12.10	10.89	9.90	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	8.04	7.57	7.15	6.77	6.43	6.13	5.59	5.12	4.70	4.33	4.00	3.71	3.45	3.22	3.01	2.82	2.64	2.49	2.34
	453.28	SGU L/150	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	7.62	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.08	14.29	12.87	11.70	10.72	9.90	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.08	14.29	12.87	11.69	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	23.08	20.51	18.46	16.78	15.38	14.20	13.19	12.31	11.54	10.86	10.26	9.36	8.45	7.67	6.98	6.39	5.87	5.41	5.00	4.64	4.31	4.02	3.76	3.52	3.30	3.10	2.92
	547.51	SGU L/150	23.08	20.51	18.46	16.78	15.38	14.20	13.19	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	23.08	20.51	18.46	16.78	15.38	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	23.08	20.51	18.46	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

Number of spans:		2	support: 60 - 160 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.74	4.21	3.79	3.45	3.16	2.92	2.71	2.53	2.37	2.22	2.04	1.88	1.74	1.62	1.50	1.40	1.31	1.23	1.16	1.09	1.03	0.97	0.92	0.87	0.83	0.78	0.75
	202.30	SGU L/150	4.74	4.21	3.79	3.45	3.16	2.92	2.71	2.53	2.37	2.22	2.04	1.88	1.74	1.62	1.50	1.40	1.31	1.23	1.16	1.09	1.03	0.97	0.92	0.87	0.83	0.78	0.75
	219.01	SGU L/200	4.74	4.21	3.79	3.45	3.16	2.92	2.71	2.53	2.37	2.22	2.04	1.88	1.74	1.62	1.50	1.40	1.31	1.23	1.16	1.09	1.03	0.97	0.92	0.87	0.82	0.75	0.69
		SGU L/300	4.74	4.21	3.79	3.45	3.16	2.92	2.71	2.53	2.37	2.22	2.04	1.88	1.74	1.62	1.50	1.40	1.30	1.16	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.47	3.16	2.88	2.64	2.43	2.25	2.08	1.94	1.81	1.69	1.58	1.48	1.40	1.32	1.24	1.17	1.11	1.06	1.00	0.95
	240.90	SGU L/150	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.47	3.16	2.88	2.64	2.43	2.25	2.08	1.94	1.81	1.69	1.58	1.48	1.40	1.32	1.24	1.17	1.11	1.06	1.00	0.95
	255.51	SGU L/200	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.47	3.16	2.88	2.64	2.43	2.25	2.08	1.94	1.81	1.69	1.58	1.48	1.40	1.32	1.24	1.17	1.06	0.97	0.88	0.81
		SGU L/300	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.47	3.16	2.88	2.64	2.43	2.25	2.08	1.94	1.74	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.60	6.76	6.08	5.53	5.07	4.68	4.30	3.88	3.53	3.22	2.95	2.72	2.51	2.32	2.16	2.01	1.88	1.76	1.65	1.55	1.46	1.38	1.30	1.23	1.17	1.11	1.06
	259.97	SGU L/150	7.60	6.76	6.08	5.53	5.07	4.68	4.30	3.88	3.53	3.22	2.95	2.72	2.51	2.32	2.16	2.01	1.88	1.76	1.65	1.55	1.46	1.38	1.30	1.23	1.17	1.11	1.06
	273.76	SGU L/200	7.60	6.76	6.08	5.53	5.07	4.68	4.30	3.88	3.53	3.22	2.95	2.72	2.51	2.32	2.16	2.01	1.88	1.76	1.65	1.55	1.46	1.38	1.26	1.14	1.04	0.95	0.86
		SGU L/300	7.60	6.76	6.08	5.53	5.07	4.68	4.30	3.88	3.53	3.22	2.95	2.72	2.51	2.32	2.13	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.69	7.72	6.95	6.32	5.79	5.32	4.77	4.31	3.91	3.57	3.27	3.00	2.77	2.57	2.38	2.22	2.07	1.94	1.82	1.71	1.61	1.52	1.44	1.36	1.29	1.22	1.16
	282.23	SGU L/150	8.69	7.72	6.95	6.32	5.79	5.32	4.77	4.31	3.91	3.57	3.27	3.00	2.77	2.57	2.38	2.22	2.07	1.94	1.82	1.71	1.61	1.52	1.44	1.36	1.29	1.22	1.16
	292.01	SGU L/200	8.69	7.72	6.95	6.32	5.79	5.32	4.77	4.31	3.91	3.57	3.27	3.00	2.77	2.57	2.38	2.22	2.07	1.94	1.82	1.71	1.61	1.49	1.34	1.22	1.11	1.01	0.92
		SGU L/300	8.69	7.72	6.95	6.32	5.79	5.32	4.77	4.31	3.91	3.57	3.27	3.00	2.77	2.57	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	10.57	9.39	8.45	7.69	6.97	6.20	5.55	5.01	4.54	4.14	3.79	3.48	3.21	2.97	2.75	2.56	2.39	2.24	2.10	1.97	1.85	1.75	1.65	1.56	1.48	1.41	1.34
	313.34	SGU L/150	10.57	9.39	8.45	7.69	6.97	6.20	5.55	5.01	4.54	4.14	3.79	3.48	3.21	2.97	2.75	2.56	2.39	2.24	2.10	1.97	1.85	1.75	1.65	1.56	1.48	1.41	1.34
	321.21	SGU L/200	10.57	9.39	8.45	7.69	6.97	6.20	5.55	5.01	4.54	4.14	3.79	3.48	3.21	2.97	2.75	2.56	2.39	2.24	2.10	1.97	1.82	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	10.57	9.39	8.45	7.69	6.97	6.20	5.55	5.01	4.54	4.14	3.79	3.48	3.21	2.87	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	13.71	12.18	10.96	9.70	8.54	7.58	6.78	6.11	5.53	5.03	4.60	4.23	3.89	3.60	3.34	3.10	2.89	2.70	2.53	2.38	2.24	2.11	1.99	1.88	1.78	1.69	1.61
	359.00	SGU L/150	13.71	12.18	10.96	9.70	8.54	7.58	6.78	6.11	5.53	5.03	4.60	4.23	3.89	3.60	3.34	3.10	2.89	2.70	2.53	2.38	2.24	2.11	1.99	1.88	1.78	1.68	1.54
	365.01	SGU L/200	13.71	12.18	10.96	9.70	8.54	7.58	6.78	6.11	5.53	5.03	4.60	4.23	3.89	3.60	3.34	3.10	2.89	2.70	2.53	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	13.71	12.18	10.96	9.70	8.54	7.58	6.78	6.11	5.53	5.03	4.60	4.23	3.78	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	18.15	16.14	13.89	12.08	10.61	9.41	8.40	7.56	6.83	6.21	5.67	5.20	4.79	4.42	4.09	3.80	3.54	3.31	3.10	2.91	2.73	2.57	2.43	2.29	2.17	2.06	1.96
	416.12	SGU L/150	18.15	16.14	13.89	12.08	10.61	9.41	8.40	7.56	6.83	6.21	5.67	5.20	4.79	4.42	4.09	3.80	3.54	3.31	3.10	2.91	2.73	2.57	2.43	2.29	2.12	1.93	1.77
	419.75	SGU L/200	18.15	16.14	13.89	12.08	10.61	9.41	8.40	7.56	6.83	6.21	5.67	5.20	4.79	4.42	4.09	3.80	3.54	3.31	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	18.15	16.14	13.89	12.08	10.61	9.41	8.40	7.56	6.83	6.21	5.67	5.06	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	21.44	18.43	15.82	13.74	12.06	10.68	9.53	8.56	7.74	7.03	6.42	5.88	5.41	4.99	4.62	4.29	4.00	3.73	3.49	3.28	3.08	2.90	2.73	2.58	2.44	2.32	2.20
	453.28	SGU L/150	21.44	18.43	15.82	13.74	12.06	10.68	9.53	8.56	7.74	7.03	6.42	5.88	5.41	4.99	4.62	4.29	4.00	3.73	3.49	3.28	3.08	2.90	2.73	2.53	2.30	2.10	1.92
	456.26	SGU L/200	21.44	18.43	15.82	13.74	12.06	10.68	9.53	8.56	7.74	7.03	6.42	5.88	5.41	4.99	4.62	4.29	4.00	3.62	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	21.44	18.43	15.82	13.74	12.06	10.68	9.53	8.56	7.74	7.03	6.42	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	29.01	24.45	20.92	18.13	15.88	14.03	12.50	11.21	10.10	9.16	8.35	7.65	7.02	6.47	5.99	5.55	5.17	4.82	4.50	4.22	3.96	3.73	3.51	3.32	3.14	2.97	2.82
	547.51	SGU L/150	29.01	24.45	20.92	18.13	15.88	14.03	12.50	11.21	10.10	9.16	8.35	7.65	7.02	6.47	5.99	5.55	5.17	4.82	4.50	4.22	3.96	3.72	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	29.01	24.45	20.92	18.13	15.88	14.03	12.50	11.21	10.10	9.16	8.35	7.65	7.02	6.47	5.99	5.55	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	29.01	24.45	20.92	18.13	15.88	14.03	12.50	11.21	10.10	9.16	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15



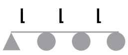
Number of spans:		3	support: 60 - 160 - 160 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.78	1.69	1.62	1.55	1.48	1.42	1.37	1.31	1.24	1.17	1.11	1.05	1.00	0.95	0.90
	202.30	SGU L/150	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.78	1.69	1.62	1.55	1.48	1.42	1.37	1.31	1.23	1.11	1.01	0.92	0.84	0.77	0.71
	219.01	SGU L/200	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.78	1.69	1.62	1.55	1.46	1.32	1.18	1.06	0.95	0.86	0.78	0.71	0.65	0.59	0.54
		SGU L/300	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.69	1.49	1.31	1.15	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.15	2.03	1.90	1.79	1.68	1.59	1.50	1.42	1.34	1.28	1.21	1.15
	240.90	SGU L/150	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.15	2.03	1.90	1.79	1.64	1.48	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.00	1.78	1.58	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.39	2.06	1.79	1.56	1.37	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.17	3.00	2.85	2.71	2.59	2.42	2.26	2.12	1.99	1.87	1.76	1.67	1.58	1.49	1.42	1.35	1.28
	259.97	SGU L/150	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.17	3.00	2.85	2.71	2.59	2.42	2.26	2.12	1.99	1.78	1.60	1.45	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.17	3.00	2.85	2.71	2.47	2.17	1.92	1.70	1.51	1.35	1.22	1.10	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.01	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.07	3.83	3.62	3.43	3.26	3.08	2.86	2.67	2.49	2.34	2.19	2.06	1.95	1.84	1.74	1.65	1.56	1.48	1.41
	282.23	SGU L/150	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.07	3.83	3.62	3.43	3.26	3.08	2.86	2.67	2.49	2.34	2.13	1.91	1.72	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.07	3.83	3.62	3.43	3.26	3.03	2.64	2.33	2.05	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.07	3.81	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.40	4.17	3.85	3.57	3.31	3.09	2.88	2.70	2.53	2.38	2.24	2.12	2.00	1.90	1.80	1.71	1.62
	313.34	SGU L/150	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.40	4.17	3.85	3.57	3.31	3.09	2.88	2.65	2.36	2.12	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.40	4.17	3.85	3.35	2.93	2.57	2.27	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.42	6.03	5.52	5.08	4.68	4.33	4.02	3.74	3.49	3.27	3.06	2.88	2.71	2.56	2.41	2.28	2.17	2.06	1.95
	359.00	SGU L/150	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.42	6.03	5.52	5.08	4.68	4.33	4.02	3.74	3.42	3.03	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.42	6.03	5.52	5.08	4.44	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	5.80	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.02	15.13	13.62	12.38	11.35	10.47	9.73	9.04	8.19	7.45	6.82	6.26	5.77	5.33	4.94	4.60	4.29	4.01	3.75	3.53	3.32	3.13	2.95	2.79	2.64	2.51	2.38
	416.12	SGU L/150	17.02	15.13	13.62	12.38	11.35	10.47	9.73	9.04	8.19	7.45	6.82	6.26	5.77	5.33	4.94	4.49	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.02	15.13	13.62	12.38	11.35	10.47	9.73	9.04	8.19	7.45	6.82	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.02	15.13	13.62	12.38	11.35	10.47	9.73	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	20.10	17.87	16.08	14.62	13.40	12.37	11.40	10.26	9.28	8.44	7.72	7.09	6.53	6.03	5.59	5.20	4.84	4.52	4.24	3.98	3.74	3.52	3.33	3.14	2.98	2.82	2.68
	453.28	SGU L/150	20.10	17.87	16.08	14.62	13.40	12.37	11.40	10.26	9.28	8.44	7.72	7.09	6.53	6.03	5.58	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	20.10	17.87	16.08	14.62	13.40	12.37	11.40	10.26	9.28	8.44	7.64	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	20.10	17.87	16.08	14.62	13.40	12.37	10.82	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	28.84	25.64	23.08	20.98	18.97	16.80	14.99	13.46	12.16	11.03	10.07	9.23	8.49	7.84	7.26	6.74	6.27	5.85	5.48	5.14	4.83	4.54	4.29	4.05	3.83	3.63	3.45
	547.51	SGU L/150	28.84	25.64	23.08	20.98	18.97	16.80	14.99	13.46	12.16	11.03	10.07	9.23	8.49	7.69	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	28.84	25.64	23.08	20.98	18.97	16.80	14.99	13.46	12.16	10.88	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	28.84	25.64	23.08	20.98	18.97	16.21	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S320 GD

T130-v2			Negative																										
Number of spans:		1	support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.28	1.22	1.17	1.12	1.07	1.03	0.99	0.96	0.93	0.89	0.87	0.84	0.81	0.79
	210.37	SGU L/150	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.28	1.22	1.17	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	219.01	SGU L/200	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.99	1.89	1.80	1.72	1.64	1.57	1.51	1.45	1.40	1.35	1.30	1.26	1.22	1.18	1.14	1.11
	249.75	SGU L/150	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.99	1.89	1.80	1.61	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.88	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	2.01	1.92	1.84	1.77	1.70	1.63	1.58	1.52	1.47	1.42	1.38	1.31	1.23
	268.40	SGU L/150	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.45	2.32	2.21	1.99	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.37	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.85	2.70	2.56	2.44	2.33	2.23	2.14	2.05	1.97	1.90	1.83	1.77	1.71	1.61	1.51	1.42	1.34
	286.97	SGU L/150	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.85	2.70	2.47	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.41	5.69	5.12	4.66	4.27	3.94	3.60	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.34	3.17	3.02	2.88	2.76	2.64	2.54	2.44	2.35	2.22	2.07	1.94	1.81	1.70	1.60	1.51
	317.04	SGU L/150	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.18	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.93	7.05	6.34	5.76	5.28	4.88	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.57	4.33	4.11	3.92	3.74	3.58	3.43	3.28	3.03	2.81	2.61	2.43	2.27	2.13	2.00	1.88	1.77
	362.09	SGU L/150	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.28	9.14	8.22	7.48	6.85	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	6.41	6.05	5.73	5.45	5.19	4.95	4.61	4.23	3.90	3.61	3.34	3.11	2.90	2.71	2.54	2.38	2.24	2.11
	418.00	SGU L/150	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	13.62	12.10	10.89	9.90	9.08	8.38	7.78	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	13.62	12.10	10.89	9.90	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	8.04	7.57	7.15	6.77	6.43	6.13	5.59	5.12	4.70	4.33	4.01	3.71	3.45	3.22	3.01	2.82	2.64	2.49	2.34
	454.96	SGU L/150	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	7.64	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.08	14.29	12.87	11.70	10.72	9.90	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.08	14.29	12.87	11.70	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	23.08	20.51	18.46	16.78	15.38	14.20	13.19	12.31	11.54	10.86	10.26	9.37	8.46	7.67	6.99	6.40	5.87	5.41	5.01	4.64	4.32	4.02	3.76	3.52	3.30	3.11	2.93
	547.51	SGU L/150	23.08	20.51	18.46	16.78	15.38	14.20	13.19	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	23.08	20.51	18.46	16.78	15.38	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	23.08	20.51	18.46	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

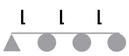
Number of spans:		2	support: 60 - 160 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.47	3.98	3.58	3.25	2.98	2.75	2.56	2.39	2.24	2.10	1.97	1.81	1.68	1.56	1.45	1.35	1.27	1.19	1.12	1.05	0.99	0.94	0.89	0.84	0.80	0.76	0.72
	210.37	SGU L/150	4.47	3.98	3.58	3.25	2.98	2.75	2.56	2.39	2.24	2.10	1.97	1.81	1.68	1.56	1.45	1.35	1.27	1.19	1.12	1.05	0.99	0.94	0.89	0.84	0.80	0.76	0.72
	219.01	SGU L/200	4.47	3.98	3.58	3.25	2.98	2.75	2.56	2.39	2.24	2.10	1.97	1.81	1.68	1.56	1.45	1.35	1.27	1.19	1.12	1.05	0.99	0.94	0.89	0.84	0.80	0.75	0.69
		SGU L/300	4.47	3.98	3.58	3.25	2.98	2.75	2.56	2.39	2.24	2.10	1.97	1.81	1.68	1.56	1.45	1.35	1.27	1.15	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.29	5.59	5.03	4.57	4.19	3.87	3.59	3.35	3.07	2.81	2.58	2.38	2.20	2.04	1.89	1.77	1.65	1.55	1.45	1.37	1.29	1.22	1.15	1.09	1.03	0.98	0.94
	249.75	SGU L/150	6.29	5.59	5.03	4.57	4.19	3.87	3.59	3.35	3.07	2.81	2.58	2.38	2.20	2.04	1.89	1.77	1.65	1.55	1.45	1.37	1.29	1.22	1.15	1.09	1.03	0.98	0.94
	255.51	SGU L/200	6.29	5.59	5.03	4.57	4.19	3.87	3.59	3.35	3.07	2.81	2.58	2.38	2.20	2.04	1.89	1.77	1.65	1.55	1.45	1.37	1.29	1.22	1.15	1.06	0.97	0.88	0.81
		SGU L/300	6.29	5.59	5.03	4.57	4.19	3.87	3.59	3.35	3.07	2.81	2.58	2.38	2.20	2.04	1.89	1.73	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.36	6.54	5.89	5.35	4.90	4.53	4.20	3.82	3.47	3.17	2.91	2.68	2.48	2.29	2.13	1.99	1.86	1.74	1.63	1.54	1.45	1.37	1.29	1.22	1.16	1.10	1.05
	268.40	SGU L/150	7.36	6.54	5.89	5.35	4.90	4.53	4.20	3.82	3.47	3.17	2.91	2.68	2.48	2.29	2.13	1.99	1.86	1.74	1.63	1.54	1.45	1.37	1.29	1.22	1.16	1.10	1.05
	273.76	SGU L/200	7.36	6.54	5.89	5.35	4.90	4.53	4.20	3.82	3.47	3.17	2.91	2.68	2.48	2.29	2.13	1.99	1.86	1.74	1.63	1.54	1.45	1.37	1.26	1.14	1.04	0.95	0.86
		SGU L/300	7.36	6.54	5.89	5.35	4.90	4.53	4.20	3.82	3.47	3.17	2.91	2.68	2.48	2.29	2.13	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.54	7.59	6.83	6.21	5.69	5.26	4.75	4.29	3.90	3.56	3.26	3.00	2.77	2.56	2.38	2.22	2.07	1.94	1.82	1.71	1.61	1.52	1.44	1.36	1.29	1.23	1.17
	286.97	SGU L/150	8.54	7.59	6.83	6.21	5.69	5.26	4.75	4.29	3.90	3.56	3.26	3.00	2.77	2.56	2.38	2.22	2.07	1.94	1.82	1.71	1.61	1.52	1.44	1.36	1.29	1.23	1.17
	292.01	SGU L/200	8.54	7.59	6.83	6.21	5.69	5.26	4.75	4.29	3.90	3.56	3.26	3.00	2.77	2.56	2.38	2.22	2.07	1.94	1.82	1.71	1.61	1.49	1.34	1.22	1.11	1.01	0.92
		SGU L/300	8.54	7.59	6.83	6.21	5.69	5.26	4.75	4.29	3.90	3.56	3.26	3.00	2.77	2.56	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	10.57	9.39	8.45	7.69	7.01	6.23	5.58	5.04	4.57	4.16	3.81	3.50	3.23	2.99	2.77	2.58	2.41	2.25	2.11	1.98	1.87	1.76	1.66	1.57	1.49	1.42	1.35
	317.04	SGU L/150	10.57	9.39	8.45	7.69	7.01	6.23	5.58	5.04	4.57	4.16	3.81	3.50	3.23	2.99	2.77	2.58	2.41	2.25	2.11	1.98	1.87	1.76	1.66	1.57	1.49	1.42	1.35
	321.21	SGU L/200	10.57	9.39	8.45	7.69	7.01	6.23	5.58	5.04	4.57	4.16	3.81	3.50	3.23	2.99	2.77	2.58	2.41	2.25	2.11	1.98	1.82	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	10.57	9.39	8.45	7.69	7.01	6.23	5.58	5.04	4.57	4.16	3.81	3.50	3.23	2.87	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	13.71	12.18	10.96	9.74	8.57	7.61	6.81	6.13	5.55	5.05	4.62	4.24	3.91	3.61	3.35	3.11	2.90	2.71	2.54	2.39	2.24	2.12	2.00	1.89	1.79	1.70	1.61
	362.09	SGU L/150	13.71	12.18	10.96	9.74	8.57	7.61	6.81	6.13	5.55	5.05	4.62	4.24	3.91	3.61	3.35	3.11	2.90	2.71	2.54	2.39	2.24	2.12	2.00	1.89	1.79	1.68	1.54
	365.01	SGU L/200	13.71	12.18	10.96	9.74	8.57	7.61	6.81	6.13	5.55	5.05	4.62	4.24	3.91	3.61	3.35	3.11	2.90	2.71	2.54	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	13.71	12.18	10.96	9.74	8.57	7.61	6.81	6.13	5.55	5.05	4.62	4.24	3.78	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	18.15	16.14	13.92	12.11	10.64	9.43	8.42	7.57	6.85	6.22	5.68	5.21	4.79	4.43	4.10	3.81	3.55	3.32	3.10	2.91	2.74	2.58	2.43	2.30	2.18	2.06	1.96
	418.00	SGU L/150	18.15	16.14	13.92	12.11	10.64	9.43	8.42	7.57	6.85	6.22	5.68	5.21	4.79	4.43	4.10	3.81	3.55	3.32	3.10	2.91	2.74	2.58	2.43	2.30	2.12	1.93	1.77
	419.75	SGU L/200	18.15	16.14	13.92	12.11	10.64	9.43	8.42	7.57	6.85	6.22	5.68	5.21	4.79	4.43	4.10	3.81	3.55	3.32	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	18.15	16.14	13.92	12.11	10.64	9.43	8.42	7.57	6.85	6.22	5.68	5.06	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	21.44	18.46	15.84	13.76	12.08	10.70	9.54	8.57	7.74	7.03	6.42	5.88	5.41	4.99	4.62	4.29	4.00	3.73	3.49	3.27	3.08	2.90	2.73	2.58	2.44	2.32	2.20
	454.96	SGU L/150	21.44	18.46	15.84	13.76	12.08	10.70	9.54	8.57	7.74	7.03	6.42	5.88	5.41	4.99	4.62	4.29	4.00	3.73	3.49	3.27	3.08	2.90	2.73	2.53	2.30	2.10	1.92
	456.26	SGU L/200	21.44	18.46	15.84	13.76	12.08	10.70	9.54	8.57	7.74	7.03	6.42	5.88	5.41	4.99	4.62	4.29	4.00	3.62	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	21.44	18.46	15.84	13.76	12.08	10.70	9.54	8.57	7.74	7.03	6.42	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	29.04	24.47	20.94	18.14	15.88	14.03	12.50	11.21	10.10	9.16	8.35	7.64	7.02	6.47	5.98	5.55	5.16	4.82	4.50	4.22	3.96	3.73	3.51	3.32	3.14	2.97	2.82
	547.51	SGU L/150	29.04	24.47	20.94	18.14	15.88	14.03	12.50	11.21	10.10	9.16	8.35	7.64	7.02	6.47	5.98	5.55	5.16	4.82	4.50	4.22	3.96	3.72	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	29.04	24.47	20.94	18.14	15.88	14.03	12.50	11.21	10.10	9.16	8.35	7.64	7.02	6.47	5.98	5.55	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	29.04	24.47	20.94	18.14	15.88	14.03	12.50	11.21	10.10	9.16	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15



Number of spans:		3	support: 60 - 160 - 160 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.60	1.52	1.46	1.40	1.34	1.29	1.24	1.19	1.13	1.07	1.01	0.96	0.92	0.87
	210.37	SGU L/150	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.60	1.52	1.46	1.40	1.34	1.29	1.24	1.19	1.13	1.04	0.94	0.86	0.78	0.72
	219.01	SGU L/200	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.60	1.52	1.46	1.40	1.34	1.20	1.07	0.96	0.87	0.79	0.71	0.65	0.59	0.54
		SGU L/300	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.51	1.32	1.16	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.48	2.36	2.25	2.14	2.05	1.97	1.86	1.75	1.64	1.55	1.47	1.39	1.32	1.25	1.19	1.13
	249.75	SGU L/150	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.48	2.36	2.25	2.14	2.05	1.97	1.86	1.75	1.64	1.50	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.48	2.36	2.25	2.14	2.02	1.79	1.59	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.39	2.06	1.79	1.56	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.07	2.90	2.76	2.63	2.51	2.39	2.23	2.09	1.97	1.85	1.75	1.65	1.56	1.48	1.40	1.33	1.27
	268.40	SGU L/150	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.07	2.90	2.76	2.63	2.51	2.39	2.23	2.09	1.97	1.79	1.61	1.45	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.07	2.90	2.76	2.63	2.48	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.02	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.77	3.56	3.37	3.20	3.05	2.86	2.67	2.49	2.34	2.19	2.06	1.95	1.84	1.74	1.65	1.56	1.48	1.41
	286.97	SGU L/150	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.77	3.56	3.37	3.20	3.05	2.86	2.67	2.49	2.34	2.14	1.92	1.72	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.77	3.56	3.37	3.20	3.05	2.66	2.33	2.05	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.77	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.40	4.17	3.87	3.59	3.33	3.11	2.90	2.72	2.55	2.40	2.26	2.13	2.01	1.91	1.81	1.72	1.63
	317.04	SGU L/150	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.40	4.17	3.87	3.59	3.33	3.11	2.90	2.66	2.37	2.12	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.40	4.17	3.87	3.37	2.94	2.57	2.27	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.42	6.05	5.54	5.09	4.70	4.35	4.03	3.76	3.50	3.28	3.07	2.89	2.72	2.57	2.42	2.29	2.17	2.06	1.96
	362.09	SGU L/150	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.42	6.05	5.54	5.09	4.70	4.35	4.03	3.76	3.43	3.03	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.42	6.05	5.54	5.09	4.44	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	5.80	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.02	15.13	13.62	12.38	11.35	10.47	9.73	9.06	8.20	7.47	6.83	6.27	5.78	5.34	4.95	4.61	4.29	4.01	3.76	3.53	3.32	3.13	2.96	2.80	2.65	2.51	2.39
	418.00	SGU L/150	17.02	15.13	13.62	12.38	11.35	10.47	9.73	9.06	8.20	7.47	6.83	6.27	5.78	5.34	4.95	4.49	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.02	15.13	13.62	12.38	11.35	10.47	9.73	9.06	8.20	7.47	6.83	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.02	15.13	13.62	12.38	11.35	10.47	9.73	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	20.10	17.87	16.08	14.62	13.40	12.37	11.42	10.27	9.29	8.45	7.72	7.09	6.53	6.03	5.59	5.19	4.84	4.52	4.24	3.98	3.74	3.52	3.33	3.14	2.98	2.82	2.68
	454.96	SGU L/150	20.10	17.87	16.08	14.62	13.40	12.37	11.42	10.27	9.29	8.45	7.72	7.09	6.53	6.03	5.58	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	20.10	17.87	16.08	14.62	13.40	12.37	11.42	10.27	9.29	8.45	7.64	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	20.10	17.87	16.08	14.62	13.40	12.37	10.82	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	28.84	25.64	23.08	20.98	18.98	16.80	14.99	13.46	12.16	11.03	10.07	9.23	8.49	7.83	7.25	6.73	6.27	5.85	5.47	5.13	4.82	4.54	4.28	4.05	3.83	3.63	3.44
	547.51	SGU L/150	28.84	25.64	23.08	20.98	18.98	16.80	14.99	13.46	12.16	11.03	10.07	9.23	8.49	7.69	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	28.84	25.64	23.08	20.98	18.98	16.80	14.99	13.46	12.16	10.88	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	28.84	25.64	23.08	20.98	18.98	16.21	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130-v2			Positive																										
Number of spans:	1		support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.24	1.19	1.14	1.09	1.05	1.02	0.98	0.95	0.92	0.89	0.86	0.84
	202.30	SGU L/150	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.19	1.12
	240.90	SGU L/150	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.79	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.13	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.07	1.98	1.90	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.39	1.31	1.23
	259.97	SGU L/150	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.70	5.07	4.56	4.15	3.80	3.51	3.25	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.61	2.48	2.37	2.27	2.17	2.09	2.00	1.93	1.86	1.80	1.73	1.62	1.52	1.43	1.35
	282.23	SGU L/150	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	2.95	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.52	5.79	5.21	4.74	4.34	4.01	3.53	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.34	3.17	3.02	2.88	2.76	2.64	2.54	2.44	2.35	2.24	2.09	1.95	1.83	1.72	1.62	1.52
	313.34	SGU L/150	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.14	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.93	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.93	7.05	6.34	5.76	5.28	4.88	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.57	4.33	4.11	3.92	3.74	3.58	3.43	3.29	3.05	2.82	2.63	2.45	2.29	2.14	2.01	1.89	1.78
	359.00	SGU L/150	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.47	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.28	9.14	8.22	7.48	6.85	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	6.41	6.05	5.73	5.45	5.19	4.95	4.62	4.24	3.91	3.62	3.35	3.12	2.91	2.72	2.54	2.39	2.24	2.11
	416.12	SGU L/150	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	13.62	12.10	10.89	9.90	9.08	8.38	7.78	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	13.62	12.10	10.89	9.90	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	8.04	7.57	7.15	6.77	6.43	6.13	5.59	5.12	4.70	4.33	4.00	3.71	3.45	3.22	3.01	2.82	2.64	2.49	2.34
	453.28	SGU L/150	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	7.62	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.08	14.29	12.87	11.70	10.72	9.90	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.08	14.29	12.87	11.69	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	23.08	20.51	18.46	16.78	15.38	14.20	13.19	12.31	11.54	10.86	10.26	9.36	8.45	7.67	6.98	6.39	5.87	5.41	5.00	4.64	4.31	4.02	3.76	3.52	3.30	3.10	2.92
	547.51	SGU L/150	23.08	20.51	18.46	16.78	15.38	14.20	13.19	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	23.08	20.51	18.46	16.78	15.38	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	23.08	20.51	18.46	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

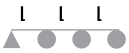
Number of spans:	2		support: 60 - 300 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.74	4.21	3.79	3.45	3.16	2.92	2.71	2.53	2.37	2.23	2.11	2.00	1.90	1.81	1.68	1.56	1.46	1.36	1.28	1.20	1.13	1.06	1.00	0.95	0.90	0.85	0.81
	202.30	SGU L/150	4.74	4.21	3.79	3.45	3.16	2.92	2.71	2.53	2.37	2.23	2.11	2.00	1.90	1.81	1.68	1.56	1.46	1.36	1.28	1.20	1.13	1.06	1.00	0.95	0.90	0.85	0.81
	219.01	SGU L/200	4.74	4.21	3.79	3.45	3.16	2.92	2.71	2.53	2.37	2.23	2.11	2.00	1.90	1.81	1.68	1.56	1.46	1.36	1.28	1.20	1.13	1.06	1.00	0.91	0.83	0.76	0.69
		SGU L/300	4.74	4.21	3.79	3.45	3.16	2.92	2.71	2.53	2.37	2.23	2.11	2.00	1.90	1.81	1.68	1.48	1.31	1.16	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.51	3.29	3.10	2.92	2.72	2.51	2.32	2.15	2.00	1.86	1.74	1.63	1.53	1.44	1.35	1.28	1.21	1.14	1.08	1.03
	240.90	SGU L/150	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.51	3.29	3.10	2.92	2.72	2.51	2.32	2.15	2.00	1.86	1.74	1.63	1.53	1.44	1.35	1.28	1.21	1.14	1.08	1.03
	255.51	SGU L/200	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.51	3.29	3.10	2.92	2.72	2.51	2.32	2.15	2.00	1.86	1.74	1.63	1.53	1.44	1.30	1.17	1.06	0.97	0.88	0.81
		SGU L/300	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.51	3.29	3.10	2.92	2.72	2.51	2.28	1.99	1.74	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.60	6.76	6.08	5.53	5.07	4.68	4.34	4.05	3.80	3.58	3.30	3.03	2.79	2.57	2.38	2.21	2.06	1.93	1.80	1.69	1.59	1.50	1.41	1.34	1.26	1.20	1.14
	259.97	SGU L/150	7.60	6.76	6.08	5.53	5.07	4.68	4.34	4.05	3.80	3.58	3.30	3.03	2.79	2.57	2.38	2.21	2.06	1.93	1.80	1.69	1.59	1.50	1.41	1.34	1.26	1.20	1.14
	273.76	SGU L/200	7.60	6.76	6.08	5.53	5.07	4.68	4.34	4.05	3.80	3.58	3.30	3.03	2.79	2.57	2.38	2.21	2.06	1.93	1.80	1.69	1.55	1.39	1.26	1.14	1.04	0.95	0.86
		SGU L/300	7.60	6.76	6.08	5.53	5.07	4.68	4.34	4.05	3.80	3.58	3.30	3.03	2.79	2.45	2.13	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.69	7.72	6.95	6.32	5.79	5.35	4.96	4.63	4.34	3.99	3.64	3.34	3.07	2.83	2.62	2.44	2.27	2.12	1.98	1.86	1.75	1.65	1.55	1.47	1.39	1.32	1.25
	282.23	SGU L/150	8.69	7.72	6.95	6.32	5.79	5.35	4.96	4.63	4.34	3.99	3.64	3.34	3.07	2.83	2.62	2.44	2.27	2.12	1.98	1.86	1.75	1.65	1.55	1.47	1.39	1.32	1.23
	292.01	SGU L/200	8.69	7.72	6.95	6.32	5.79	5.35	4.96	4.63	4.34	3.99	3.64	3.34	3.07	2.83	2.62	2.44	2.27	2.12	1.98	1.84	1.65	1.49	1.34	1.22	1.11	1.01	0.92
		SGU L/300	8.69	7.72	6.95	6.32	5.79	5.35	4.96	4.63	4.34	3.99	3.64	3.34	3.02	2.61	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	10.57	9.39	8.45	7.69	7.05	6.50	6.04	5.62	5.07	4.61	4.20	3.85	3.54	3.26	3.02	2.80	2.61	2.43	2.28	2.14	2.01	1.89	1.78	1.68	1.59	1.51	1.43
	313.34	SGU L/150	10.57	9.39	8.45	7.69	7.05	6.50	6.04	5.62	5.07	4.61	4.20	3.85	3.54	3.26	3.02	2.80	2.61	2.43	2.28	2.14	2.01	1.89	1.78	1.68	1.59	1.48	1.35
	321.21	SGU L/200	10.57	9.39	8.45	7.69	7.05	6.50	6.04	5.62	5.07	4.61	4.20	3.85	3.54	3.26	3.02	2.80	2.61	2.43	2.27	2.03	1.82	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	10.57	9.39	8.45	7.69	7.05	6.50	6.04	5.62	5.07	4.61	4.20	3.85	3.32	2.87	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	13.71	12.18	10.96	9.97	9.14	8.43	7.60	6.81	6.14	5.57	5.08	4.65	4.27	3.93	3.64	3.37	3.14	2.93	2.73	2.56	2.41	2.26	2.13	2.01	1.90	1.80	1.71
	359.00	SGU L/150	13.71	12.18	10.96	9.97	9.14	8.43	7.60	6.81	6.14	5.57	5.08	4.65	4.27	3.93	3.64	3.37	3.14	2.93	2.73	2.56	2.41	2.26	2.13	2.01	1.84	1.68	1.54
	365.01	SGU L/200	13.71	12.18	10.96	9.97	9.14	8.43	7.60	6.81	6.14	5.57	5.08	4.65	4.27	3.93	3.64	3.37	3.14	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	13.71	12.18	10.96	9.97	9.14	8.43	7.60	6.81	6.14	5.57	5.08	4.40	3.78	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	18.15	16.14	14.52	13.20	11.92	10.51	9.35	8.37	7.54	6.83	6.22	5.68	5.22	4.80	4.44	4.11	3.82	3.56	3.33	3.12	2.92	2.75	2.59	2.44	2.31	2.19	2.07
	416.12	SGU L/150	18.15	16.14	14.52	13.20	11.92	10.51	9.35	8.37	7.54	6.83	6.22	5.68	5.22	4.80	4.44	4.11	3.82	3.56	3.33	3.12	2.92	2.75	2.57	2.33	2.12	1.93	1.77
	419.75	SGU L/200	18.15	16.14	14.52	13.20	11.92	10.51	9.35	8.37	7.54	6.83	6.22	5.68	5.22	4.80	4.44	4.11	3.77	3.33	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	18.15	16.14	14.52	13.20	11.92	10.51	9.35	8.37	7.54	6.83	5.96	5.06	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	21.44	19.06	17.15	15.45	13.49	11.89	10.56	9.45	8.51	7.70	7.01	6.41	5.88	5.41	5.00	4.63	4.30	4.01	3.74	3.50	3.29	3.09	2.91	2.74	2.59	2.45	2.33
	453.28	SGU L/150	21.44	19.06	17.15	15.45	13.49	11.89	10.56	9.45	8.51	7.70	7.01	6.41	5.88	5.41	5.00	4.63	4.30	4.01	3.74	3.50	3.29	3.09	2.80	2.53	2.30	2.10	1.92
	456.26	SGU L/200	21.44	19.06	17.15	15.45	13.49	11.89	10.56	9.45	8.51	7.70	7.01	6.41	5.88	5.41	5.00	4.63	4.10	3.62	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	21.44	19.06	17.15	15.45	13.49	11.89	10.56	9.45	8.51	7.68	6.47	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	30.77	27.35	23.45	20.21	17.61	15.49	13.73	12.27	11.01	9.96	9.06	8.27	7.57	6.96	6.42	5.95	5.52	5.14	4.79	4.48	4.20	3.95	3.72	3.50	3.30	3.11	2.93
	547.51	SGU L/150	30.77	27.35	23.45	20.21	17.61	15.49	13.73	12.27	11.01	9.96	9.06	8.27	7.57	6.96	6.42	5.95	5.52	5.14	4.79	4.48	4.13	3.72	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	30.77	27.35	23.45	20.21	17.61	15.49	13.73	12.27	11.01	9.96	9.06	8.27	7.57	6.96	6.38	5.59	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	30.77	27.35	23.45	20.21	17.61	15.49	13.73	12.27	11.01	9.22	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15



Number of spans:	3		support: 60 - 300 - 300 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.78	1.69	1.62	1.55	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.15	1.09	1.04	0.99
	202.30	SGU L/150	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.78	1.69	1.62	1.55	1.48	1.42	1.37	1.32	1.23	1.12	1.02	0.93	0.85	0.78	0.71
	219.01	SGU L/200	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.78	1.69	1.62	1.55	1.46	1.32	1.18	1.06	0.96	0.87	0.79	0.71	0.65	0.59	0.54
		SGU L/300	4.45	3.95	3.56	3.23	2.96	2.74	2.54	2.37	2.22	2.09	1.98	1.87	1.69	1.49	1.31	1.15	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.15	2.06	1.97	1.90	1.83	1.74	1.64	1.55	1.47	1.39	1.32	1.25
	240.90	SGU L/150	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.15	2.06	1.97	1.84	1.67	1.50	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.01	1.79	1.59	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.39	2.06	1.79	1.56	1.37	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.17	3.00	2.85	2.71	2.59	2.48	2.37	2.28	2.19	2.05	1.93	1.82	1.72	1.63	1.54	1.46	1.39
	259.97	SGU L/150	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.17	3.00	2.85	2.71	2.59	2.48	2.37	2.24	2.00	1.79	1.61	1.45	1.31	1.19	1.09	0.99	0.91
	273.76	SGU L/200	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.17	3.00	2.85	2.71	2.47	2.18	1.92	1.71	1.52	1.36	1.22	1.10	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.12	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.01	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.07	3.83	3.62	3.43	3.26	3.10	2.96	2.83	2.72	2.57	2.41	2.26	2.12	2.00	1.89	1.79	1.69	1.60	1.52
	282.23	SGU L/150	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.07	3.83	3.62	3.43	3.26	3.10	2.96	2.83	2.71	2.40	2.14	1.92	1.72	1.55	1.41	1.27	1.16	1.06	0.97
	292.01	SGU L/200	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.07	3.83	3.62	3.43	3.26	3.03	2.66	2.33	2.06	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.15	7.24	6.52	5.92	5.43	5.01	4.65	4.34	4.07	3.81	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.40	4.17	3.96	3.77	3.60	3.40	3.16	2.95	2.77	2.59	2.44	2.30	2.17	2.05	1.94	1.84	1.75
	313.34	SGU L/150	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.40	4.17	3.96	3.77	3.60	3.39	3.00	2.66	2.37	2.12	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.40	4.17	3.88	3.38	2.94	2.58	2.27	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.42	6.05	5.71	5.41	5.14	4.76	4.41	4.09	3.81	3.55	3.33	3.12	2.93	2.76	2.60	2.46	2.33	2.20	2.09
	359.00	SGU L/150	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.42	6.05	5.71	5.41	5.14	4.76	4.41	3.89	3.43	3.04	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.42	6.05	5.71	5.17	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	5.80	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.02	15.13	13.62	12.38	11.35	10.47	9.73	9.08	8.51	8.01	7.51	6.88	6.32	5.83	5.39	5.00	4.65	4.34	4.05	3.80	3.57	3.36	3.16	2.99	2.83	2.68	2.54
	416.12	SGU L/150	17.02	15.13	13.62	12.38	11.35	10.47	9.73	9.08	8.51	8.01	7.51	6.88	6.32	5.83	5.13	4.49	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.02	15.13	13.62	12.38	11.35	10.47	9.73	9.08	8.51	8.01	7.02	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.02	15.13	13.62	12.38	11.35	10.47	9.73	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	20.10	17.87	16.08	14.62	13.40	12.37	11.49	10.72	10.05	9.30	8.48	7.76	7.13	6.57	6.07	5.63	5.23	4.88	4.56	4.27	4.01	3.77	3.55	3.36	3.17	3.00	2.85
	453.28	SGU L/150	20.10	17.87	16.08	14.62	13.40	12.37	11.49	10.72	10.05	9.30	8.48	7.76	7.13	6.41	5.58	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	20.10	17.87	16.08	14.62	13.40	12.37	11.49	10.72	10.05	9.06	7.64	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	20.10	17.87	16.08	14.62	13.40	12.37	10.82	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	28.84	25.64	23.08	20.98	19.23	17.75	16.48	14.82	13.34	12.06	10.97	10.03	9.20	8.47	7.82	7.25	6.73	6.27	5.86	5.48	5.14	4.83	4.55	4.29	4.06	3.84	3.64
	547.51	SGU L/150	28.84	25.64	23.08	20.98	19.23	17.75	16.48	14.82	13.34	12.06	10.97	10.03	8.91	7.69	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	28.84	25.64	23.08	20.98	19.23	17.75	16.48	14.82	13.05	10.88	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	28.84	25.64	23.08	20.98	19.23	16.21	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

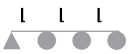
T130-v2			Negative																										
Number of spans:	1		support: 60 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.28	1.22	1.17	1.12	1.07	1.03	0.99	0.96	0.93	0.89	0.87	0.84	0.81	0.79
	210.37	SGU L/150	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.28	1.22	1.17	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	219.01	SGU L/200	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.58	1.49	1.41	1.34	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.35	2.98	2.68	2.44	2.24	2.06	1.92	1.79	1.68	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.99	1.89	1.80	1.72	1.64	1.57	1.51	1.45	1.40	1.35	1.30	1.26	1.22	1.18	1.14	1.11
	249.75	SGU L/150	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.99	1.89	1.80	1.61	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.36	2.22	2.10	1.88	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.72	4.19	3.77	3.43	3.15	2.90	2.70	2.52	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.45	2.32	2.21	2.10	2.01	1.92	1.84	1.77	1.70	1.63	1.58	1.52	1.47	1.42	1.38	1.31	1.23
	268.40	SGU L/150	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.45	2.32	2.21	1.99	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.94	2.76	2.60	2.37	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.52	4.90	4.41	4.01	3.68	3.40	3.15	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.85	2.70	2.56	2.44	2.33	2.23	2.14	2.05	1.97	1.90	1.83	1.77	1.71	1.61	1.51	1.42	1.34
	286.97	SGU L/150	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.85	2.70	2.47	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.41	5.69	5.12	4.66	4.27	3.94	3.66	3.42	3.20	3.01	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.41	5.69	5.12	4.66	4.27	3.94	3.60	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.34	3.17	3.02	2.88	2.76	2.64	2.54	2.44	2.35	2.22	2.07	1.94	1.81	1.70	1.60	1.51
	317.04	SGU L/150	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.18	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	7.93	7.05	6.34	5.76	5.28	4.88	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.57	4.33	4.11	3.92	3.74	3.58	3.43	3.28	3.03	2.81	2.61	2.43	2.27	2.13	2.00	1.88	1.77
	362.09	SGU L/150	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	5.14	4.84	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.28	9.14	8.22	7.48	6.85	6.33	5.87	5.48	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.28	9.14	8.22	7.48	6.85	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	6.41	6.05	5.73	5.45	5.19	4.95	4.61	4.23	3.90	3.61	3.34	3.11	2.90	2.71	2.54	2.38	2.24	2.11
	418.00	SGU L/150	13.62	12.10	10.89	9.90	9.08	8.38	7.78	7.26	6.81	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	13.62	12.10	10.89	9.90	9.08	8.38	7.78	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	13.62	12.10	10.89	9.90	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	8.04	7.57	7.15	6.77	6.43	6.13	5.59	5.12	4.70	4.33	4.01	3.71	3.45	3.22	3.01	2.82	2.64	2.49	2.34
	454.96	SGU L/150	16.08	14.29	12.87	11.70	10.72	9.90	9.19	8.58	7.64	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.08	14.29	12.87	11.70	10.72	9.90	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.08	14.29	12.87	11.70	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	23.08	20.51	18.46	16.78	15.38	14.20	13.19	12.31	11.54	10.86	10.26	9.37	8.46	7.67	6.99	6.40	5.87	5.41	5.01	4.64	4.32	4.02	3.76	3.52	3.30	3.11	2.93
	547.51	SGU L/150	23.08	20.51	18.46	16.78	15.38	14.20	13.19	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	23.08	20.51	18.46	16.78	15.38	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	23.08	20.51	18.46	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans:	2		support: 60 - 300 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.47	3.98	3.58	3.25	2.98	2.75	2.56	2.39	2.24	2.10	1.99	1.88	1.79	1.70	1.62	1.51	1.41	1.32	1.24	1.16	1.09	1.03	0.97	0.92	0.87	0.83	0.79
	210.37	SGU L/150	4.47	3.98	3.58	3.25	2.98	2.75	2.56	2.39	2.24	2.10	1.99	1.88	1.79	1.70	1.62	1.51	1.41	1.32	1.24	1.16	1.09	1.03	0.97	0.92	0.87	0.83	0.79
	219.01	SGU L/200	4.47	3.98	3.58	3.25	2.98	2.75	2.56	2.39	2.24	2.10	1.99	1.88	1.79	1.70	1.62	1.51	1.41	1.32	1.24	1.16	1.09	1.03	0.97	0.91	0.83	0.75	0.69
		SGU L/300	4.47	3.98	3.58	3.25	2.98	2.75	2.56	2.39	2.24	2.10	1.99	1.88	1.79	1.70	1.62	1.48	1.31	1.16	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.29	5.59	5.03	4.57	4.19	3.87	3.59	3.35	3.15	2.96	2.80	2.65	2.45	2.27	2.10	1.96	1.82	1.70	1.60	1.50	1.41	1.33	1.25	1.19	1.12	1.07	1.01
	249.75	SGU L/150	6.29	5.59	5.03	4.57	4.19	3.87	3.59	3.35	3.15	2.96	2.80	2.65	2.45	2.27	2.10	1.96	1.82	1.70	1.60	1.50	1.41	1.33	1.25	1.19	1.12	1.07	1.01
	255.51	SGU L/200	6.29	5.59	5.03	4.57	4.19	3.87	3.59	3.35	3.15	2.96	2.80	2.65	2.45	2.27	2.10	1.96	1.82	1.70	1.60	1.50	1.41	1.30	1.17	1.06	0.97	0.88	0.81
		SGU L/300	6.29	5.59	5.03	4.57	4.19	3.87	3.59	3.35	3.15	2.96	2.80	2.65	2.45	2.27	1.98	1.74	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.36	6.54	5.89	5.35	4.90	4.53	4.20	3.92	3.68	3.46	3.26	2.99	2.76	2.55	2.36	2.19	2.04	1.91	1.79	1.68	1.58	1.49	1.40	1.33	1.26	1.19	1.13
	268.40	SGU L/150	7.36	6.54	5.89	5.35	4.90	4.53	4.20	3.92	3.68	3.46	3.26	2.99	2.76	2.55	2.36	2.19	2.04	1.91	1.79	1.68	1.58	1.49	1.40	1.33	1.26	1.19	1.13
	273.76	SGU L/200	7.36	6.54	5.89	5.35	4.90	4.53	4.20	3.92	3.68	3.46	3.26	2.99	2.76	2.55	2.36	2.19	2.04	1.91	1.79	1.68	1.55	1.39	1.26	1.14	1.04	0.95	0.86
		SGU L/300	7.36	6.54	5.89	5.35	4.90	4.53	4.20	3.92	3.68	3.46	3.26	2.99	2.76	2.45	2.13	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.54	7.59	6.83	6.21	5.69	5.26	4.88	4.56	4.27	3.99	3.64	3.34	3.07	2.84	2.63	2.44	2.27	2.12	1.99	1.86	1.75	1.65	1.56	1.47	1.39	1.32	1.25
	286.97	SGU L/150	8.54	7.59	6.83	6.21	5.69	5.26	4.88	4.56	4.27	3.99	3.64	3.34	3.07	2.84	2.63	2.44	2.27	2.12	1.99	1.86	1.75	1.65	1.56	1.47	1.39	1.32	1.23
	292.01	SGU L/200	8.54	7.59	6.83	6.21	5.69	5.26	4.88	4.56	4.27	3.99	3.64	3.34	3.07	2.84	2.63	2.44	2.27	2.12	1.99	1.84	1.65	1.49	1.34	1.22	1.11	1.01	0.92
		SGU L/300	8.54	7.59	6.83	6.21	5.69	5.26	4.88	4.56	4.27	3.99	3.64	3.34	3.02	2.61	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	10.57	9.39	8.45	7.69	7.05	6.50	6.04	5.64	5.11	4.64	4.23	3.87	3.56	3.28	3.04	2.82	2.63	2.45	2.29	2.15	2.02	1.90	1.79	1.69	1.60	1.52	1.44
	317.04	SGU L/150	10.57	9.39	8.45	7.69	7.05	6.50	6.04	5.64	5.11	4.64	4.23	3.87	3.56	3.28	3.04	2.82	2.63	2.45	2.29	2.15	2.02	1.90	1.79	1.69	1.60	1.48	1.35
	321.21	SGU L/200	10.57	9.39	8.45	7.69	7.05	6.50	6.04	5.64	5.11	4.64	4.23	3.87	3.56	3.28	3.04	2.82	2.63	2.45	2.27	2.03	1.82	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	10.57	9.39	8.45	7.69	7.05	6.50	6.04	5.64	5.11	4.64	4.23	3.87	3.32	2.87	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	13.71	12.18	10.96	9.97	9.14	8.43	7.63	6.84	6.17	5.59	5.10	4.66	4.28	3.95	3.65	3.39	3.15	2.94	2.75	2.57	2.42	2.27	2.14	2.02	1.91	1.81	1.72
	362.09	SGU L/150	13.71	12.18	10.96	9.97	9.14	8.43	7.63	6.84	6.17	5.59	5.10	4.66	4.28	3.95	3.65	3.39	3.15	2.94	2.75	2.57	2.42	2.27	2.14	2.02	1.84	1.68	1.54
	365.01	SGU L/200	13.71	12.18	10.96	9.97	9.14	8.43	7.63	6.84	6.17	5.59	5.10	4.66	4.28	3.95	3.65	3.39	3.15	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	13.71	12.18	10.96	9.97	9.14	8.43	7.63	6.84	6.17	5.59	5.10	4.40	3.78	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	18.15	16.14	14.52	13.20	11.95	10.54	9.37	8.39	7.56	6.84	6.23	5.69	5.22	4.81	4.45	4.12	3.83	3.57	3.33	3.12	2.93	2.76	2.60	2.45	2.32	2.19	2.08
	418.00	SGU L/150	18.15	16.14	14.52	13.20	11.95	10.54	9.37	8.39	7.56	6.84	6.23	5.69	5.22	4.81	4.45	4.12	3.83	3.57	3.33	3.12	2.93	2.76	2.57	2.33	2.12	1.93	1.77
	419.75	SGU L/200	18.15	16.14	14.52	13.20	11.95	10.54	9.37	8.39	7.56	6.84	6.23	5.69	5.22	4.81	4.45	4.12	3.77	3.33	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	18.15	16.14	14.52	13.20	11.95	10.54	9.37	8.39	7.56	6.84	5.96	5.06	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	21.44	19.06	17.15	15.48	13.51	11.91	10.58	9.46	8.52	7.71	7.01	6.41	5.87	5.41	4.99	4.63	4.30	4.00	3.74	3.50	3.28	3.09	2.91	2.74	2.59	2.45	2.33
	454.96	SGU L/150	21.44	19.06	17.15	15.48	13.51	11.91	10.58	9.46	8.52	7.71	7.01	6.41	5.87	5.41	4.99	4.63	4.30	4.00	3.74	3.50	3.28	3.09	2.80	2.53	2.30	2.10	1.92
	456.26	SGU L/200	21.44	19.06	17.15	15.48	13.51	11.91	10.58	9.46	8.52	7.71	7.01	6.41	5.87	5.41	4.99	4.63	4.10	3.62	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	21.44	19.06	17.15	15.48	13.51	11.91	10.58	9.46	8.52	7.68	6.47	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	30.77	27.35	23.47	20.22	17.62	15.49	13.74	12.27	11.02	9.96	9.05	8.26	7.57	6.96	6.42	5.94	5.52	5.13	4.79	4.48	4.20	3.95	3.71	3.50	3.30	3.10	2.92
	547.51	SGU L/150	30.77	27.35	23.47	20.22	17.62	15.49	13.74	12.27	11.02	9.96	9.05	8.26	7.57	6.96	6.42	5.94	5.52	5.13	4.79	4.48	4.13	3.72	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	30.77	27.35	23.47	20.22	17.62	15.49	13.74	12.27	11.02	9.96	9.05	8.26	7.57	6.96	6.38	5.59	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	30.77	27.35	23.47	20.22	17.62	15.49	13.74	12.27	11.02	9.22	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans:	3		support: 60 - 300 - 300 - 60																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.60	1.52	1.46	1.40	1.34	1.29	1.24	1.20	1.16	1.12	1.08	1.05	1.01	0.96
	210.37	SGU L/150	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.60	1.52	1.46	1.40	1.34	1.29	1.24	1.20	1.15	1.04	0.95	0.86	0.79	0.72
	219.01	SGU L/200	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.60	1.52	1.46	1.40	1.34	1.20	1.07	0.96	0.87	0.79	0.71	0.65	0.59	0.54
		SGU L/300	4.19	3.73	3.35	3.05	2.79	2.58	2.40	2.24	2.10	1.97	1.86	1.77	1.68	1.51	1.32	1.16	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.48	2.36	2.25	2.14	2.05	1.97	1.89	1.81	1.75	1.68	1.61	1.52	1.44	1.37	1.30	1.23
	249.75	SGU L/150	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.48	2.36	2.25	2.14	2.05	1.97	1.89	1.81	1.67	1.50	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.48	2.36	2.25	2.14	2.02	1.79	1.59	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	5.90	5.24	4.72	4.29	3.93	3.63	3.37	3.15	2.95	2.78	2.62	2.39	2.06	1.79	1.56	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.07	2.90	2.76	2.63	2.51	2.40	2.30	2.21	2.12	2.03	1.91	1.81	1.70	1.61	1.53	1.45	1.38
	268.40	SGU L/150	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.07	2.90	2.76	2.63	2.51	2.40	2.30	2.21	2.01	1.80	1.61	1.45	1.31	1.19	1.08	0.99	0.91
	273.76	SGU L/200	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.07	2.90	2.76	2.63	2.48	2.18	1.92	1.70	1.52	1.36	1.22	1.10	0.99	0.90	0.82	0.74	0.68
		SGU L/300	6.90	6.13	5.52	5.02	4.60	4.24	3.94	3.68	3.45	3.25	3.02	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.77	3.56	3.37	3.20	3.05	2.91	2.78	2.67	2.56	2.41	2.26	2.13	2.00	1.89	1.79	1.70	1.61	1.53
	286.97	SGU L/150	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.77	3.56	3.37	3.20	3.05	2.91	2.78	2.67	2.41	2.15	1.92	1.73	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.77	3.56	3.37	3.20	3.05	2.66	2.33	2.06	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.01	7.12	6.41	5.82	5.34	4.93	4.58	4.27	4.00	3.77	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.40	4.17	3.96	3.77	3.60	3.42	3.18	2.97	2.78	2.61	2.46	2.31	2.18	2.06	1.95	1.85	1.76
	317.04	SGU L/150	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.40	4.17	3.96	3.77	3.60	3.41	3.01	2.67	2.37	2.12	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.66	4.40	4.17	3.90	3.38	2.94	2.58	2.27	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	9.91	8.81	7.93	7.21	6.61	6.10	5.66	5.28	4.95	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.42	6.05	5.71	5.41	5.14	4.78	4.42	4.11	3.82	3.57	3.34	3.13	2.94	2.77	2.61	2.47	2.33	2.21	2.10
	362.09	SGU L/150	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.42	6.05	5.71	5.41	5.14	4.78	4.42	3.89	3.43	3.04	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	6.42	6.05	5.71	5.18	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	12.85	11.42	10.28	9.34	8.57	7.91	7.34	6.85	5.80	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.02	15.13	13.62	12.38	11.35	10.47	9.73	9.08	8.51	8.01	7.53	6.89	6.33	5.84	5.40	5.01	4.66	4.34	4.06	3.81	3.57	3.36	3.17	2.99	2.83	2.68	2.54
	418.00	SGU L/150	17.02	15.13	13.62	12.38	11.35	10.47	9.73	9.08	8.51	8.01	7.53	6.89	6.33	5.84	5.13	4.49	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.02	15.13	13.62	12.38	11.35	10.47	9.73	9.08	8.51	8.01	7.02	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.02	15.13	13.62	12.38	11.35	10.47	9.73	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	20.10	17.87	16.08	14.62	13.40	12.37	11.49	10.72	10.05	9.32	8.48	7.76	7.13	6.57	6.07	5.63	5.23	4.88	4.56	4.27	4.01	3.77	3.55	3.35	3.17	3.00	2.85
	454.96	SGU L/150	20.10	17.87	16.08	14.62	13.40	12.37	11.49	10.72	10.05	9.32	8.48	7.76	7.13	6.41	5.58	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	20.10	17.87	16.08	14.62	13.40	12.37	11.49	10.72	10.05	9.06	7.64	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	20.10	17.87	16.08	14.62	13.40	12.37	10.82	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	28.84	25.64	23.08	20.98	19.23	17.75	16.48	14.82	13.34	12.06	10.97	10.03	9.20	8.46	7.82	7.24	6.73	6.27	5.85	5.48	5.14	4.83	4.55	4.29	4.05	3.84	3.64
	547.51	SGU L/150	28.84	25.64	23.08	20.98	19.23	17.75	16.48	14.82	13.34	12.06	10.97	10.03	8.91	7.69	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	28.84	25.64	23.08	20.98	19.23	17.75	16.48	14.82	13.05	10.88	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	28.84	25.64	23.08	20.98	19.23	16.21	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91



T130

S350 GD

T130-v2			Positive																										
Number of spans: 1			**support: 60 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.35	1.29	1.24	1.19	1.14	1.10	1.06	1.03	0.99	0.96	0.93	0.90	0.88
	198.48	SGU L/150	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.50	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.33	1.29	1.25	1.20
	237.12	SGU L/150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.04	1.79	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.13	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.38	2.27	2.17	2.07	1.99	1.91	1.83	1.77	1.70	1.64	1.59	1.54	1.49	1.41	1.33
	258.44	SGU L/150	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.71	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.96	5.30	4.77	4.34	3.97	3.67	3.25	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.48	2.37	2.27	2.18	2.10	2.02	1.95	1.88	1.82	1.75	1.64	1.54	1.45
	277.23	SGU L/150	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.78	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	2.95	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.81	6.06	5.45	4.96	4.54	4.19	3.53	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.49	3.32	3.16	3.01	2.88	2.76	2.65	2.55	2.46	2.37	2.28	2.13	1.99	1.87	1.76	1.66
	309.33	SGU L/150	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.65	3.14	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	3.93	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	8.29	7.37	6.63	6.03	5.53	4.88	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.06	4.78	4.53	4.30	4.10	3.91	3.74	3.58	3.44	3.31	3.08	2.86	2.67	2.49	2.34	2.19	2.06	1.94
	355.42	SGU L/150	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	4.98	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.47	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.75	9.56	8.60	7.82	7.08	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.12	6.70	6.33	6.00	5.70	5.42	5.18	4.95	4.63	4.26	3.94	3.66	3.40	3.17	2.96	2.77	2.60	2.45	2.31
	412.53	SGU L/150	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	6.93	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	14.24	12.66	11.39	10.36	9.49	8.76	7.78	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	14.24	12.66	11.39	10.36	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	8.41	7.91	7.47	7.08	6.73	6.41	6.10	5.58	5.13	4.72	4.37	4.05	3.77	3.51	3.28	3.07	2.88	2.71	2.55
	452.02	SGU L/150	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	7.62	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.82	14.95	13.45	12.23	11.21	10.35	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.82	14.95	13.45	11.69	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	24.13	21.45	19.31	17.55	16.09	14.85	13.79	12.87	12.07	11.36	10.73	10.16	9.21	8.35	7.61	6.96	6.40	5.89	5.45	5.05	4.70	4.38	4.09	3.83	3.60	3.38	3.19
	545.22	SGU L/150	24.13	21.45	19.31	17.55	16.09	14.85	13.67	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	24.13	21.45	19.31	17.55	16.09	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	24.13	21.45	18.77	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans: 2			**support: 60 - 60 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.96	4.38	3.84	3.40	3.03	2.73	2.47	2.25	2.07	1.90	1.75	1.63	1.51	1.41	1.32	1.24	1.16	1.09	1.03	0.97	0.92	0.87	0.83	0.79	0.75	0.72	0.68
	198.48	SGU L/150	4.96	4.38	3.84	3.40	3.03	2.73	2.47	2.25	2.07	1.90	1.75	1.63	1.51	1.41	1.32	1.24	1.16	1.09	1.03	0.97	0.92	0.87	0.83	0.79	0.75	0.72	0.68
	219.01	SGU L/200	4.96	4.38	3.84	3.40	3.03	2.73	2.47	2.25	2.07	1.90	1.75	1.63	1.51	1.41	1.32	1.24	1.16	1.09	1.03	0.97	0.92	0.87	0.83	0.79	0.75	0.72	0.68
		SGU L/300	4.96	4.38	3.84	3.40	3.03	2.73	2.47	2.25	2.07	1.90	1.75	1.63	1.51	1.41	1.32	1.24	1.16	1.09	1.01	0.91	0.82	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.77	5.84	5.10	4.51	4.02	3.61	3.27	2.97	2.72	2.50	2.31	2.13	1.98	1.85	1.72	1.61	1.51	1.42	1.34	1.27	1.20	1.14	1.08	1.02	0.97	0.93	0.89
	237.12	SGU L/150	6.77	5.84	5.10	4.51	4.02	3.61	3.27	2.97	2.72	2.50	2.31	2.13	1.98	1.85	1.72	1.61	1.51	1.42	1.34	1.27	1.20	1.14	1.08	1.02	0.97	0.93	0.89
	255.51	SGU L/200	6.77	5.84	5.10	4.51	4.02	3.61	3.27	2.97	2.72	2.50	2.31	2.13	1.98	1.85	1.72	1.61	1.51	1.42	1.34	1.27	1.20	1.14	1.08	1.02	0.96	0.88	0.81
		SGU L/300	6.77	5.84	5.10	4.51	4.02	3.61	3.27	2.97	2.72	2.50	2.31	2.13	1.98	1.85	1.72	1.61	1.51	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.67	6.61	5.77	5.10	4.54	4.08	3.69	3.35	3.06	2.81	2.59	2.40	2.23	2.07	1.93	1.81	1.70	1.60	1.50	1.42	1.34	1.27	1.21	1.15	1.09	1.04	0.99
	258.44	SGU L/150	7.67	6.61	5.77	5.10	4.54	4.08	3.69	3.35	3.06	2.81	2.59	2.40	2.23	2.07	1.93	1.81	1.70	1.60	1.50	1.42	1.34	1.27	1.21	1.15	1.09	1.04	0.99
	273.76	SGU L/200	7.67	6.61	5.77	5.10	4.54	4.08	3.69	3.35	3.06	2.81	2.59	2.40	2.23	2.07	1.93	1.81	1.70	1.60	1.50	1.42	1.34	1.27	1.21	1.14	1.04	0.95	0.86
		SGU L/300	7.67	6.61	5.77	5.10	4.54	4.08	3.69	3.35	3.06	2.81	2.59	2.40	2.23	2.07	1.93	1.81	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.61	7.41	6.47	5.70	5.08	4.56	4.12	3.74	3.42	3.13	2.89	2.67	2.48	2.30	2.15	2.01	1.89	1.77	1.67	1.57	1.49	1.41	1.34	1.27	1.21	1.15	1.09
	277.23	SGU L/150	8.61	7.41	6.47	5.70	5.08	4.56	4.12	3.74	3.42	3.13	2.89	2.67	2.48	2.30	2.15	2.01	1.89	1.77	1.67	1.57	1.49	1.41	1.34	1.27	1.21	1.15	1.09
	292.01	SGU L/200	8.61	7.41	6.47	5.70	5.08	4.56	4.12	3.74	3.42	3.13	2.89	2.67	2.48	2.30	2.15	2.01	1.89	1.77	1.67	1.57	1.49	1.41	1.34	1.22	1.11	1.01	0.92
		SGU L/300	8.61	7.41	6.47	5.70	5.08	4.56	4.12	3.74	3.42	3.13	2.89	2.67	2.48	2.30	2.15	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	10.19	8.76	7.63	6.72	5.98	5.36	4.83	4.39	4.00	3.67	3.38	3.12	2.89	2.69	2.51	2.34	2.20	2.06	1.94	1.83	1.73	1.64	1.55	1.47	1.40	1.33	1.27
	309.33	SGU L/150	10.19	8.76	7.63	6.72	5.98	5.36	4.83	4.39	4.00	3.67	3.38	3.12	2.89	2.69	2.51	2.34	2.20	2.06	1.94	1.83	1.73	1.64	1.55	1.47	1.40	1.33	1.27
	321.21	SGU L/200	10.19	8.76	7.63	6.72	5.98	5.36	4.83	4.39	4.00	3.67	3.38	3.12	2.89	2.69	2.51	2.34	2.20	2.06	1.94	1.83	1.73	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	10.19	8.76	7.63	6.72	5.98	5.36	4.83	4.39	4.00	3.67	3.38	3.12	2.89	2.69	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	12.73	10.92	9.49	8.35	7.41	6.63	5.97	5.41	4.93	4.52	4.15	3.83	3.55	3.30	3.07	2.87	2.68	2.52	2.37	2.23	2.11	1.99	1.88	1.79	1.70	1.62	1.54
	355.42	SGU L/150	12.73	10.92	9.49	8.35	7.41	6.63	5.97	5.41	4.93	4.52	4.15	3.83	3.55	3.30	3.07	2.87	2.68	2.52	2.37	2.23	2.11	1.99	1.88	1.79	1.70	1.62	1.54
	365.01	SGU L/200	12.73	10.92	9.49	8.35	7.41	6.63	5.97	5.41	4.93	4.52	4.15	3.83	3.55	3.30	3.07	2.87	2.68	2.52	2.37	2.23	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	12.73	10.92	9.49	8.35	7.41	6.63	5.97	5.41	4.93	4.52	4.15	3.83	3.55	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	16.16	13.82	12.00	10.53	9.33	8.33	7.49	6.78	6.17	5.64	5.18	4.78	4.42	4.10	3.81	3.56	3.33	3.12	2.93	2.76	2.60	2.46	2.33	2.20	2.09	1.99	1.89
	412.53	SGU L/150	16.16	13.82	12.00	10.53	9.33	8.33	7.49	6.78	6.17	5.64	5.18	4.78	4.42	4.10	3.81	3.56	3.33	3.12	2.93	2.76	2.60	2.46	2.33	2.20	2.09	1.93	1.77
	419.75	SGU L/200	16.16	13.82	12.00	10.53	9.33	8.33	7.49	6.78	6.17	5.64	5.18	4.78	4.42	4.10	3.81	3.56	3.33	3.12	2.93	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	16.16	13.82	12.00	10.53	9.33	8.33	7.49	6.78	6.17	5.64	5.18	4.78	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	18.59	15.88	13.76	12.07	10.68	9.53	8.56	7.74	7.04	6.43	5.90	5.44	5.02	4.66	4.33	4.04	3.77	3.54	3.32	3.12	2.95	2.78	2.63	2.49	2.37	2.25	2.14
	452.02	SGU L/150	18.59	15.88	13.76	12.07	10.68	9.53	8.56	7.74	7.04	6.43	5.90	5.44	5.02	4.66	4.33	4.04	3.77	3.54	3.32	3.12	2.95	2.78	2.63	2.49	2.30	2.10	1.92
	456.26	SGU L/200	18.59	15.88	13.76	12.07	10.68	9.53	8.56	7.74	7.04	6.43	5.90	5.44	5.02	4.66	4.33	4.04	3.77	3.54	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	18.59	15.88	13.76	12.07	10.68	9.53	8.56	7.74	7.04	6.43	5.90	5.44	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	25.14	21.42	18.51	16.18	14.28	12.72	11.41	10.29	9.34	8.52	7.81	7.18	6.63	6.14	5.70	5.31	4.95	4.64	4.35	4.09	3.85	3.63	3.43	3.25	3.08	2.93	2.78
	545.22	SGU L/150	25.14	21.42	18.51	16.18	14.28	12.72	11.41	10.29	9.34	8.52	7.81	7.18	6.63	6.14	5.70	5.31	4.95	4.64	4.35	4.09	3.85	3.63	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	25.14	21.42	18.51	16.18	14.28	12.72	11.41	10.29	9.34	8.52	7.81	7.18	6.63	6.14	5.70	5.31	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	25.14	21.42	18.51	16.18	14.28	12.72	11.41	10.29	9.34	8.52	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans: 3			**support: 60 - 60 - 60 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.92	1.79	1.67	1.56	1.47	1.38	1.30	1.23	1.16	1.10	1.04	0.99	0.94	0.90	0.86	0.82
	198.48	SGU L/150	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.92	1.79	1.67	1.56	1.47	1.38	1.30	1.23	1.16	1.10	1.04	0.99	0.90	0.82	0.75	0.70
	219.01	SGU L/200	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.92	1.79	1.67	1.56	1.47	1.38	1.28	1.15	1.03	0.94	0.85	0.77	0.70	0.64	0.58	0.54
		SGU L/300	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.92	1.68	1.46	1.29	1.14	1.01	0.90	0.80	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.21	2.95	2.72	2.52	2.35	2.19	2.05	1.92	1.80	1.70	1.60	1.51	1.43	1.36	1.29	1.23	1.17	1.11	1.06
	237.12	SGU L/150	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.21	2.95	2.72	2.52	2.35	2.19	2.05	1.92	1.80	1.70	1.60	1.51	1.43	1.31	1.20	1.09	1.00	0.91	0.84
	255.51	SGU L/200	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.21	2.95	2.72	2.52	2.35	2.19	2.05	1.92	1.73	1.55	1.39	1.25	1.13	1.01	0.92	0.83	0.76	0.69	0.63
		SGU L/300	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.21	2.95	2.72	2.35	2.03	1.78	1.55	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.95	3.61	3.32	3.07	2.84	2.64	2.46	2.30	2.15	2.02	1.90	1.80	1.70	1.61	1.52	1.44	1.37	1.31	1.25	1.19
	258.44	SGU L/150	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.95	3.61	3.32	3.07	2.84	2.64	2.46	2.30	2.15	2.02	1.90	1.80	1.70	1.58	1.43	1.30	1.18	1.08	0.98	0.90
	273.76	SGU L/200	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.95	3.61	3.32	3.07	2.84	2.64	2.46	2.30	2.13	1.90	1.68	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.95	3.61	3.32	2.97	2.56	2.21	1.91	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.52	7.57	6.81	6.20	5.68	5.24	4.85	4.41	4.03	3.71	3.42	3.17	2.94	2.74	2.56	2.40	2.25	2.12	1.99	1.88	1.78	1.69	1.60	1.52	1.45	1.38	1.32
	277.23	SGU L/150	8.52	7.57	6.81	6.20	5.68	5.24	4.85	4.41	4.03	3.71	3.42	3.17	2.94	2.74	2.56	2.40	2.25	2.12	1.99	1.88	1.70	1.54	1.39	1.27	1.15	1.05	0.96
	292.01	SGU L/200	8.52	7.57	6.81	6.20	5.68	5.24	4.85	4.41	4.03	3.71	3.42	3.17	2.94	2.74	2.56	2.30	2.03	1.80	1.61	1.44	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.52	7.57	6.81	6.20	5.68	5.24	4.85	4.41	4.03	3.71	3.21	2.74	2.36	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	10.36	9.21	8.29	7.54	6.91	6.31	5.70	5.18	4.73	4.35	4.01	3.71	3.44	3.20	2.99	2.80	2.62	2.47	2.32	2.19	2.07	1.96	1.86	1.77	1.68	1.60	1.53
	309.33	SGU L/150	10.36	9.21	8.29	7.54	6.91	6.31	5.70	5.18	4.73	4.35	4.01	3.71	3.44	3.20	2.99	2.80	2.62	2.47	2.32	2.09	1.88	1.70	1.54	1.40	1.27	1.16	1.06
	321.21	SGU L/200	10.36	9.21	8.29	7.54	6.91	6.31	5.70	5.18	4.73	4.35	4.01	3.71	3.44	3.20	2.90	2.55	2.25	2.00	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	10.36	9.21	8.29	7.54	6.91	6.31	5.70	5.18	4.73	4.19	3.55	3.04	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	13.44	11.95	10.75	9.77	8.72	7.82	7.06	6.41	5.85	5.36	4.94	4.56	4.23	3.93	3.67	3.43	3.21	3.02	2.84	2.68	2.53	2.39	2.27	2.15	2.05	1.95	1.86
	355.42	SGU L/150	13.44	11.95	10.75	9.77	8.72	7.82	7.06	6.41	5.85	5.36	4.94	4.56	4.23	3.93	3.67	3.43	3.21	3.01	2.68	2.40	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	13.44	11.95	10.75	9.77	8.72	7.82	7.06	6.41	5.85	5.36	4.94	4.56	4.23	3.81	3.33	2.92	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	13.44	11.95	10.75	9.77	8.72	7.82	7.06	6.41	5.74	4.81	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.80	15.82	14.10	12.40	11.00	9.85	8.87	8.04	7.33	6.71	6.17	5.70	5.28	4.90	4.56	4.26	3.99	3.74	3.52	3.32	3.13	2.96	2.80	2.66	2.53	2.40	2.29
	412.53	SGU L/150	17.80	15.82	14.10	12.40	11.00	9.85	8.87	8.04	7.33	6.71	6.17	5.70	5.28	4.90	4.56	4.26	3.93	3.49	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.80	15.82	14.10	12.40	11.00	9.85	8.87	8.04	7.33	6.71	6.17	5.70	5.10	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.80	15.82	14.10	12.40	11.00	9.85	8.87	8.04	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	21.02	18.64	16.19	14.22	12.61	11.28	10.15	9.19	8.37	7.66	7.04	6.49	6.01	5.58	5.19	4.84	4.53	4.25	4.00	3.76	3.55	3.35	3.18	3.01	2.86	2.72	2.59
	452.02	SGU L/150	21.02	18.64	16.19	14.22	12.61	11.28	10.15	9.19	8.37	7.66	7.04	6.49	6.01	5.58	5.19	4.84	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	21.02	18.64	16.19	14.22	12.61	11.28	10.15	9.19	8.37	7.66	7.04	6.48	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	21.02	18.64	16.19	14.22	12.61	11.28	10.15	8.79	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	29.51	25.20	21.83	19.12	16.92	15.09	13.56	12.25	11.14	10.17	9.33	8.60	7.95	7.36	6.85	6.38	5.96	5.59	5.25	4.93	4.65	4.39	4.15	3.93	3.73	3.55	3.37
	545.22	SGU L/150	29.51	25.20	21.83	19.12	16.92	15.09	13.56	12.25	11.14	10.17	9.33	8.60	7.95	7.36	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	29.51	25.20	21.83	19.12	16.92	15.09	13.56	12.25	11.14	10.17	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	29.51	25.20	21.83	19.12	16.92	15.09	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91



T130

S350 GD

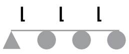
T130-v2 **Negative**

Number of spans: 1 **support:** 60 - 60

Thickness	Jx [cm4]	*Case*	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.34	1.28	1.22	1.17	1.12	1.08	1.04	1.00	0.97	0.94	0.91	0.88	0.85	0.83
	207.70	SGU L/150	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.34	1.28	1.17	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	218.80	SGU L/200	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.34	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.74	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.20	1.16
	247.55	SGU L/150	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.84	1.61	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	1.88	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.53	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.31	2.20	2.10	2.01	1.92	1.85	1.78	1.71	1.65	1.59	1.54	1.49	1.44	1.40	1.33
	266.46	SGU L/150	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.29	1.99	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.37	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.77	5.13	4.62	4.20	3.85	3.55	3.30	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.68	2.55	2.44	2.33	2.23	2.14	2.06	1.98	1.91	1.85	1.79	1.73	1.64	1.54	1.45
	286.18	SGU L/150	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.47	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.01	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.70	5.95	5.36	4.87	4.47	4.12	3.60	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.49	3.32	3.16	3.01	2.88	2.76	2.65	2.55	2.46	2.37	2.25	2.10	1.97	1.85	1.74	1.64
	316.29	SGU L/150	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.18	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	3.98	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	8.29	7.37	6.63	6.03	5.53	4.94	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.06	4.78	4.53	4.30	4.10	3.91	3.74	3.58	3.44	3.29	3.05	2.84	2.65	2.47	2.32	2.17	2.04	1.93
	360.18	SGU L/150	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.04	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.51	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.75	9.56	8.60	7.82	7.17	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.12	6.70	6.33	6.00	5.70	5.42	5.18	4.95	4.61	4.25	3.93	3.64	3.39	3.16	2.95	2.76	2.59	2.44	2.30
	416.46	SGU L/150	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.00	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	14.24	12.66	11.39	10.36	9.49	8.76	7.84	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	14.24	12.66	11.39	10.36	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	8.41	7.91	7.47	7.08	6.73	6.41	6.09	5.57	5.11	4.71	4.36	4.04	3.76	3.50	3.27	3.06	2.88	2.70	2.55
	454.28	SGU L/150	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	7.64	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.82	14.95	13.45	12.23	11.21	10.35	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.82	14.95	13.45	11.74	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	24.13	21.45	19.31	17.55	16.09	14.85	13.79	12.87	12.07	11.36	10.73	10.16	9.24	8.38	7.63	6.98	6.41	5.91	5.47	5.07	4.71	4.39	4.10	3.84	3.61	3.39	3.20
	546.65	SGU L/150	24.13	21.45	19.31	17.55	16.09	14.85	13.71	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	24.13	21.45	19.31	17.55	16.09	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	24.13	21.45	18.81	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

Number of spans: 2 **support: 60 - 60 - 60**

Thickness	Jx [cm4]	*Case*	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	4.68	4.16	3.65	3.23	2.89	2.60	2.36	2.15	1.97	1.81	1.68	1.56	1.45	1.35	1.26	1.18	1.11	1.05	0.99	0.93	0.88	0.84	0.80	0.76	0.72	0.69	0.66
	207.70	SGU L/150	4.68	4.16	3.65	3.23	2.89	2.60	2.36	2.15	1.97	1.81	1.68	1.56	1.45	1.35	1.26	1.18	1.11	1.05	0.99	0.93	0.88	0.84	0.80	0.76	0.72	0.69	0.66
	218.80	SGU L/200	4.68	4.16	3.65	3.23	2.89	2.60	2.36	2.15	1.97	1.81	1.68	1.56	1.45	1.35	1.26	1.18	1.11	1.05	0.99	0.93	0.88	0.84	0.80	0.76	0.72	0.69	0.66
		SGU L/300	4.68	4.16	3.65	3.23	2.89	2.60	2.36	2.15	1.97	1.81	1.68	1.56	1.45	1.35	1.26	1.18	1.11	1.05	0.99	0.91	0.82	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.51	5.62	4.92	4.35	3.88	3.49	3.16	2.88	2.63	2.42	2.24	2.07	1.92	1.79	1.67	1.57	1.47	1.39	1.31	1.23	1.17	1.11	1.05	1.00	0.95	0.91	0.86
	247.55	SGU L/150	6.51	5.62	4.92	4.35	3.88	3.49	3.16	2.88	2.63	2.42	2.24	2.07	1.92	1.79	1.67	1.57	1.47	1.39	1.31	1.23	1.17	1.11	1.05	1.00	0.95	0.91	0.86
	255.51	SGU L/200	6.51	5.62	4.92	4.35	3.88	3.49	3.16	2.88	2.63	2.42	2.24	2.07	1.92	1.79	1.67	1.57	1.47	1.39	1.31	1.23	1.17	1.11	1.05	1.00	0.95	0.88	0.81
		SGU L/300	6.51	5.62	4.92	4.35	3.88	3.49	3.16	2.88	2.63	2.42	2.24	2.07	1.92	1.79	1.67	1.57	1.47	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.47	6.44	5.63	4.97	4.43	3.98	3.60	3.28	3.00	2.75	2.54	2.35	2.18	2.03	1.90	1.78	1.67	1.57	1.48	1.39	1.32	1.25	1.18	1.13	1.07	1.02	0.97
	266.46	SGU L/150	7.47	6.44	5.63	4.97	4.43	3.98	3.60	3.28	3.00	2.75	2.54	2.35	2.18	2.03	1.90	1.78	1.67	1.57	1.48	1.39	1.32	1.25	1.18	1.13	1.07	1.02	0.97
	273.76	SGU L/200	7.47	6.44	5.63	4.97	4.43	3.98	3.60	3.28	3.00	2.75	2.54	2.35	2.18	2.03	1.90	1.78	1.67	1.57	1.48	1.39	1.32	1.25	1.18	1.13	1.03	0.94	0.86
		SGU L/300	7.47	6.44	5.63	4.97	4.43	3.98	3.60	3.28	3.00	2.75	2.54	2.35	2.18	2.03	1.90	1.78	1.63	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.50	7.32	6.39	5.64	5.02	4.51	4.07	3.70	3.39	3.11	2.87	2.65	2.46	2.29	2.14	2.00	1.87	1.76	1.66	1.57	1.48	1.40	1.33	1.26	1.20	1.14	1.09
	286.18	SGU L/150	8.50	7.32	6.39	5.64	5.02	4.51	4.07	3.70	3.39	3.11	2.87	2.65	2.46	2.29	2.14	2.00	1.87	1.76	1.66	1.57	1.48	1.40	1.33	1.26	1.20	1.14	1.09
	292.01	SGU L/200	8.50	7.32	6.39	5.64	5.02	4.51	4.07	3.70	3.39	3.11	2.87	2.65	2.46	2.29	2.14	2.00	1.87	1.76	1.66	1.57	1.48	1.40	1.33	1.22	1.11	1.01	0.92
		SGU L/300	8.50	7.32	6.39	5.64	5.02	4.51	4.07	3.70	3.39	3.11	2.87	2.65	2.46	2.29	2.14	1.98	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	10.22	8.79	7.66	6.75	6.01	5.39	4.86	4.41	4.03	3.69	3.40	3.14	2.91	2.71	2.52	2.36	2.21	2.08	1.95	1.84	1.74	1.65	1.56	1.48	1.41	1.34	1.28
	316.29	SGU L/150	10.22	8.79	7.66	6.75	6.01	5.39	4.86	4.41	4.03	3.69	3.40	3.14	2.91	2.71	2.52	2.36	2.21	2.08	1.95	1.84	1.74	1.65	1.56	1.48	1.41	1.34	1.28
	321.21	SGU L/200	10.22	8.79	7.66	6.75	6.01	5.39	4.86	4.41	4.03	3.69	3.40	3.14	2.91	2.71	2.52	2.36	2.21	2.08	1.95	1.84	1.74	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	10.22	8.79	7.66	6.75	6.01	5.39	4.86	4.41	4.03	3.69	3.40	3.14	2.91	2.71	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	12.77	10.96	9.53	8.38	7.44	6.65	6.00	5.44	4.95	4.54	4.17	3.85	3.56	3.31	3.08	2.88	2.70	2.53	2.38	2.24	2.12	2.00	1.89	1.80	1.71	1.62	1.55
	360.18	SGU L/150	12.77	10.96	9.53	8.38	7.44	6.65	6.00	5.44	4.95	4.54	4.17	3.85	3.56	3.31	3.08	2.88	2.70	2.53	2.38	2.24	2.12	2.00	1.89	1.80	1.71	1.62	1.54
	365.01	SGU L/200	12.77	10.96	9.53	8.38	7.44	6.65	6.00	5.44	4.95	4.54	4.17	3.85	3.56	3.31	3.08	2.88	2.70	2.53	2.38	2.24	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	12.77	10.96	9.53	8.38	7.44	6.65	6.00	5.44	4.95	4.54	4.17	3.85	3.56	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	16.19	13.86	12.02	10.55	9.35	8.35	7.51	6.80	6.19	5.66	5.19	4.79	4.43	4.11	3.82	3.57	3.33	3.13	2.94	2.77	2.61	2.46	2.33	2.21	2.10	1.99	1.90
	416.46	SGU L/150	16.19	13.86	12.02	10.55	9.35	8.35	7.51	6.80	6.19	5.66	5.19	4.79	4.43	4.11	3.82	3.57	3.33	3.13	2.94	2.77	2.61	2.46	2.33	2.21	2.10	1.93	1.77
	419.75	SGU L/200	16.19	13.86	12.02	10.55	9.35	8.35	7.51	6.80	6.19	5.66	5.19	4.79	4.43	4.11	3.82	3.57	3.33	3.13	2.94	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	16.19	13.86	12.02	10.55	9.35	8.35	7.51	6.80	6.19	5.66	5.19	4.79	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	18.62	15.91	13.79	12.09	10.70	9.54	8.58	7.76	7.05	6.44	5.91	5.44	5.03	4.66	4.34	4.04	3.78	3.54	3.33	3.13	2.95	2.79	2.64	2.50	2.37	2.25	2.14
	454.28	SGU L/150	18.62	15.91	13.79	12.09	10.70	9.54	8.58	7.76	7.05	6.44	5.91	5.44	5.03	4.66	4.34	4.04	3.78	3.54	3.33	3.13	2.95	2.79	2.64	2.50	2.30	2.10	1.92
	456.26	SGU L/200	18.62	15.91	13.79	12.09	10.70	9.54	8.58	7.76	7.05	6.44	5.91	5.44	5.03	4.66	4.34	4.04	3.78	3.54	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	18.62	15.91	13.79	12.09	10.70	9.54	8.58	7.76	7.05	6.44	5.91	5.44	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	25.16	21.44	18.52	16.19	14.29	12.73	11.41	10.30	9.34	8.52	7.81	7.17	6.62	6.13	5.69	5.30	4.95	4.63	4.34	4.08	3.84	3.63	3.43	3.24	3.08	2.92	2.78
	546.65	SGU L/150	25.16	21.44	18.52	16.19	14.29	12.73	11.41	10.30	9.34	8.52	7.81	7.17	6.62	6.13	5.69	5.30	4.95	4.63	4.34	4.08	3.84	3.63	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	25.16	21.44	18.52	16.19	14.29	12.73	11.41	10.30	9.34	8.52	7.81	7.17	6.62	6.13	5.69	5.30	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	25.16	21.44	18.52	16.19	14.29	12.73	11.41	10.30	9.34	8.52	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15



Number of spans: 3 **support: 60 - 60 - 60 - 60**

Thickness	Jx [cm4]	*Case*	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.84	1.71	1.60	1.49	1.40	1.32	1.24	1.17	1.11	1.05	1.00	0.95	0.91	0.86	0.82	0.79
	207.70	SGU L/150	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.84	1.71	1.60	1.49	1.40	1.32	1.24	1.17	1.11	1.05	1.00	0.95	0.91	0.85	0.78	0.71
	218.80	SGU L/200	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.84	1.71	1.60	1.49	1.40	1.32	1.24	1.17	1.06	0.96	0.86	0.78	0.71	0.65	0.59	0.54
		SGU L/300	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.84	1.71	1.51	1.32	1.16	1.02	0.90	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.86	2.64	2.45	2.28	2.12	1.99	1.86	1.75	1.65	1.56	1.47	1.39	1.32	1.26	1.19	1.14	1.08	1.04
	247.55	SGU L/150	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.86	2.64	2.45	2.28	2.12	1.99	1.86	1.75	1.65	1.56	1.47	1.39	1.32	1.21	1.10	1.00	0.92	0.84
	255.51	SGU L/200	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.86	2.64	2.45	2.28	2.12	1.99	1.86	1.75	1.57	1.40	1.26	1.13	1.02	0.92	0.83	0.76	0.69	0.63
		SGU L/300	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.86	2.64	2.38	2.05	1.78	1.55	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.53	3.25	3.00	2.78	2.59	2.41	2.25	2.11	1.98	1.87	1.76	1.66	1.58	1.49	1.42	1.35	1.28	1.22	1.17
	266.46	SGU L/150	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.53	3.25	3.00	2.78	2.59	2.41	2.25	2.11	1.98	1.87	1.76	1.66	1.58	1.44	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.53	3.25	3.00	2.78	2.59	2.41	2.25	2.11	1.91	1.69	1.51	1.35	1.21	1.09	0.99	0.90	0.81	0.74	0.68
		SGU L/300	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.53	3.25	3.00	2.57	2.21	1.91	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.37	4.00	3.67	3.39	3.14	2.92	2.72	2.54	2.38	2.23	2.10	1.98	1.87	1.77	1.68	1.59	1.51	1.44	1.37	1.31
	286.18	SGU L/150	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.37	4.00	3.67	3.39	3.14	2.92	2.72	2.54	2.38	2.23	2.10	1.98	1.87	1.71	1.55	1.40	1.27	1.15	1.05	0.96
	292.01	SGU L/200	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.37	4.00	3.67	3.39	3.14	2.92	2.72	2.54	2.32	2.04	1.81	1.61	1.44	1.30	1.17	1.05	0.96	0.87	0.79	0.73
		SGU L/300	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.37	4.00	3.67	3.22	2.75	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	10.36	9.21	8.29	7.54	6.91	6.34	5.73	5.21	4.76	4.37	4.03	3.73	3.46	3.22	3.01	2.81	2.64	2.48	2.34	2.21	2.09	1.98	1.87	1.78	1.69	1.61	1.54
	316.29	SGU L/150	10.36	9.21	8.29	7.54	6.91	6.34	5.73	5.21	4.76	4.37	4.03	3.73	3.46	3.22	3.01	2.81	2.64	2.48	2.34	2.11	1.89	1.71	1.54	1.40	1.27	1.16	1.06
	321.21	SGU L/200	10.36	9.21	8.29	7.54	6.91	6.34	5.73	5.21	4.76	4.37	4.03	3.73	3.46	3.22	2.92	2.56	2.26	2.00	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	10.36	9.21	8.29	7.54	6.91	6.34	5.73	5.21	4.76	4.22	3.57	3.04	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	13.44	11.95	10.75	9.77	8.75	7.85	7.08	6.43	5.87	5.38	4.95	4.58	4.25	3.95	3.68	3.44	3.23	3.03	2.85	2.69	2.54	2.40	2.28	2.16	2.06	1.96	1.86
	360.18	SGU L/150	13.44	11.95	10.75	9.77	8.75	7.85	7.08	6.43	5.87	5.38	4.95	4.58	4.25	3.95	3.68	3.44	3.23	3.02	2.69	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	13.44	11.95	10.75	9.77	8.75	7.85	7.08	6.43	5.87	5.38	4.95	4.58	4.25	3.83	3.34	2.92	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	13.44	11.95	10.75	9.77	8.75	7.85	7.08	6.43	5.77	4.82	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.80	15.82	14.13	12.42	11.03	9.87	8.89	8.06	7.35	6.73	6.19	5.71	5.29	4.91	4.57	4.27	4.00	3.75	3.53	3.33	3.14	2.97	2.81	2.67	2.53	2.41	2.29
	416.46	SGU L/150	17.80	15.82	14.13	12.42	11.03	9.87	8.89	8.06	7.35	6.73	6.19	5.71	5.29	4.91	4.57	4.27	3.94	3.49	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.80	15.82	14.13	12.42	11.03	9.87	8.89	8.06	7.35	6.73	6.19	5.71	5.11	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.80	15.82	14.13	12.42	11.03	9.87	8.89	8.06	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	21.02	18.68	16.22	14.25	12.63	11.29	10.17	9.21	8.38	7.67	7.05	6.50	6.01	5.58	5.20	4.85	4.54	4.26	4.00	3.77	3.55	3.36	3.18	3.02	2.86	2.72	2.59
	454.28	SGU L/150	21.02	18.68	16.22	14.25	12.63	11.29	10.17	9.21	8.38	7.67	7.05	6.50	6.01	5.58	5.20	4.85	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	21.02	18.68	16.22	14.25	12.63	11.29	10.17	9.21	8.38	7.67	7.05	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	21.02	18.68	16.22	14.25	12.63	11.29	10.17	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	29.54	25.22	21.85	19.14	16.93	15.10	13.56	12.26	11.14	10.18	9.33	8.59	7.93	7.35	6.84	6.37	5.95	5.58	5.24	4.93	4.64	4.38	4.15	3.93	3.73	3.54	3.37
	546.65	SGU L/150	29.54	25.22	21.85	19.14	16.93	15.10	13.56	12.26	11.14	10.18	9.33	8.59	7.93	7.35	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	29.54	25.22	21.85	19.14	16.93	15.10	13.56	12.26	11.14	10.18	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	29.54	25.22	21.85	19.14	16.93	15.10	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

S350 GD

T130-v2 **Positive**

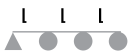
Number of spans: 1 **support: 60 - 60**

Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.35	1.29	1.24	1.19	1.14	1.10	1.06	1.03	0.99	0.96	0.93	0.90	0.88
	198.48	SGU L/150	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.50	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.33	1.29	1.25	1.20
	237.12	SGU L/150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.04	1.79	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.13	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.38	2.27	2.17	2.07	1.99	1.91	1.83	1.77	1.70	1.64	1.59	1.54	1.49	1.41	1.33
	258.44	SGU L/150	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.71	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.96	5.30	4.77	4.34	3.97	3.67	3.25	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.48	2.37	2.27	2.18	2.10	2.02	1.95	1.88	1.82	1.75	1.64	1.54	1.45
	277.23	SGU L/150	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.78	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	2.95	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.81	6.06	5.45	4.96	4.54	4.19	3.53	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.49	3.32	3.16	3.01	2.88	2.76	2.65	2.55	2.46	2.37	2.28	2.13	1.99	1.87	1.76	1.66
	309.33	SGU L/150	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.65	3.14	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	3.93	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	8.29	7.37	6.63	6.03	5.53	4.88	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.06	4.78	4.53	4.30	4.10	3.91	3.74	3.58	3.44	3.31	3.08	2.86	2.67	2.49	2.34	2.19	2.06	1.94
	355.42	SGU L/150	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	4.98	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.47	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.75	9.56	8.60	7.82	7.08	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.12	6.70	6.33	6.00	5.70	5.42	5.18	4.95	4.63	4.26	3.94	3.66	3.40	3.17	2.96	2.77	2.60	2.45	2.31
	412.53	SGU L/150	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	6.93	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	14.24	12.66	11.39	10.36	9.49	8.76	7.78	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	14.24	12.66	11.39	10.36	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	8.41	7.91	7.47	7.08	6.73	6.41	6.10	5.58	5.13	4.72	4.37	4.05	3.77	3.51	3.28	3.07	2.88	2.71	2.55
	452.02	SGU L/150	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	7.62	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.82	14.95	13.45	12.23	11.21	10.35	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.82	14.95	13.45	11.69	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	24.13	21.45	19.31	17.55	16.09	14.85	13.79	12.87	12.07	11.36	10.73	10.16	9.21	8.35	7.61	6.96	6.40	5.89	5.45	5.05	4.70	4.38	4.09	3.83	3.60	3.38	3.19
	545.22	SGU L/150	24.13	21.45	19.31	17.55	16.09	14.85	13.67	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	24.13	21.45	19.31	17.55	16.09	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	24.13	21.45	18.77	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

Number of spans: 2 **support: 60 - 80 - 60**

Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.96	4.41	3.97	3.61	3.26	2.93	2.65	2.41	2.21	2.03	1.87	1.73	1.61	1.50	1.40	1.31	1.23	1.15	1.09	1.03	0.97	0.92	0.87	0.83	0.79	0.75	0.72
	198.48	SGU L/150	4.96	4.41	3.97	3.61	3.26	2.93	2.65	2.41	2.21	2.03	1.87	1.73	1.61	1.50	1.40	1.31	1.23	1.15	1.09	1.03	0.97	0.92	0.87	0.83	0.79	0.75	0.72
	219.01	SGU L/200	4.96	4.41	3.97	3.61	3.26	2.93	2.65	2.41	2.21	2.03	1.87	1.73	1.61	1.50	1.40	1.31	1.23	1.15	1.09	1.03	0.97	0.92	0.87	0.83	0.79	0.74	0.68
		SGU L/300	4.96	4.41	3.97	3.61	3.26	2.93	2.65	2.41	2.21	2.03	1.87	1.73	1.61	1.50	1.40	1.31	1.23	1.14	1.02	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.88	6.12	5.49	4.84	4.31	3.87	3.49	3.17	2.90	2.66	2.45	2.26	2.10	1.95	1.82	1.70	1.60	1.50	1.41	1.33	1.26	1.19	1.13	1.07	1.02	0.97	0.92
	237.12	SGU L/150	6.88	6.12	5.49	4.84	4.31	3.87	3.49	3.17	2.90	2.66	2.45	2.26	2.10	1.95	1.82	1.70	1.60	1.50	1.41	1.33	1.26	1.19	1.13	1.07	1.02	0.97	0.92
	255.51	SGU L/200	6.88	6.12	5.49	4.84	4.31	3.87	3.49	3.17	2.90	2.66	2.45	2.26	2.10	1.95	1.82	1.70	1.60	1.50	1.41	1.33	1.26	1.19	1.13	1.06	0.97	0.88	0.81
		SGU L/300	6.88	6.12	5.49	4.84	4.31	3.87	3.49	3.17	2.90	2.66	2.45	2.26	2.10	1.95	1.82	1.70	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.95	7.06	6.21	5.47	4.86	4.36	3.93	3.57	3.26	2.98	2.75	2.54	2.35	2.19	2.04	1.91	1.79	1.68	1.58	1.49	1.41	1.33	1.26	1.20	1.14	1.08	1.03
	258.44	SGU L/150	7.95	7.06	6.21	5.47	4.86	4.36	3.93	3.57	3.26	2.98	2.75	2.54	2.35	2.19	2.04	1.91	1.79	1.68	1.58	1.49	1.41	1.33	1.26	1.20	1.14	1.08	1.03
	273.76	SGU L/200	7.95	7.06	6.21	5.47	4.86	4.36	3.93	3.57	3.26	2.98	2.75	2.54	2.35	2.19	2.04	1.91	1.79	1.68	1.58	1.49	1.41	1.33	1.26	1.14	1.04	0.95	0.86
		SGU L/300	7.95	7.06	6.21	5.47	4.86	4.36	3.93	3.57	3.26	2.98	2.75	2.54	2.35	2.19	2.04	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	9.09	7.97	6.94	6.11	5.43	4.86	4.38	3.97	3.62	3.32	3.06	2.82	2.61	2.43	2.26	2.11	1.98	1.86	1.75	1.65	1.56	1.47	1.39	1.32	1.26	1.20	1.14
	277.23	SGU L/150	9.09	7.97	6.94	6.11	5.43	4.86	4.38	3.97	3.62	3.32	3.06	2.82	2.61	2.43	2.26	2.11	1.98	1.86	1.75	1.65	1.56	1.47	1.39	1.32	1.26	1.20	1.14
	292.01	SGU L/200	9.09	7.97	6.94	6.11	5.43	4.86	4.38	3.97	3.62	3.32	3.06	2.82	2.61	2.43	2.26	2.11	1.98	1.86	1.75	1.65	1.56	1.47	1.34	1.22	1.11	1.01	0.92
		SGU L/300	9.09	7.97	6.94	6.11	5.43	4.86	4.38	3.97	3.62	3.32	3.06	2.82	2.61	2.43	2.26	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	10.97	9.40	8.17	7.18	6.37	5.70	5.13	4.65	4.24	3.88	3.57	3.29	3.04	2.83	2.63	2.46	2.30	2.16	2.03	1.91	1.80	1.70	1.61	1.53	1.45	1.38	1.32
	309.33	SGU L/150	10.97	9.40	8.17	7.18	6.37	5.70	5.13	4.65	4.24	3.88	3.57	3.29	3.04	2.83	2.63	2.46	2.30	2.16	2.03	1.91	1.80	1.70	1.61	1.53	1.45	1.38	1.32
	321.21	SGU L/200	10.97	9.40	8.17	7.18	6.37	5.70	5.13	4.65	4.24	3.88	3.57	3.29	3.04	2.83	2.63	2.46	2.30	2.16	2.03	1.91	1.80	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	10.97	9.40	8.17	7.18	6.37	5.70	5.13	4.65	4.24	3.88	3.57	3.29	3.04	2.83	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	13.65	11.68	10.13	8.89	7.87	7.03	6.32	5.72	5.21	4.76	4.37	4.03	3.72	3.45	3.21	3.00	2.80	2.63	2.47	2.32	2.19	2.07	1.96	1.86	1.76	1.67	1.59
	355.42	SGU L/150	13.65	11.68	10.13	8.89	7.87	7.03	6.32	5.72	5.21	4.76	4.37	4.03	3.72	3.45	3.21	3.00	2.80	2.63	2.47	2.32	2.19	2.07	1.96	1.86	1.76	1.67	1.54
	365.01	SGU L/200	13.65	11.68	10.13	8.89	7.87	7.03	6.32	5.72	5.21	4.76	4.37	4.03	3.72	3.45	3.21	3.00	2.80	2.63	2.47	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	13.65	11.68	10.13	8.89	7.87	7.03	6.32	5.72	5.21	4.76	4.37	4.03	3.72	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	17.27	14.74	12.76	11.17	9.88	8.81	7.91	7.14	6.49	5.93	5.44	5.00	4.62	4.28	3.98	3.71	3.46	3.24	3.05	2.86	2.70	2.55	2.41	2.28	2.16	2.06	1.96
	412.53	SGU L/150	17.27	14.74	12.76	11.17	9.88	8.81	7.91	7.14	6.49	5.93	5.44	5.00	4.62	4.28	3.98	3.71	3.46	3.24	3.05	2.86	2.70	2.55	2.41	2.28	2.12	1.93	1.77
	419.75	SGU L/200	17.27	14.74	12.76	11.17	9.88	8.81	7.91	7.14	6.49	5.93	5.44	5.00	4.62	4.28	3.98	3.71	3.46	3.24	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	17.27	14.74	12.76	11.17	9.88	8.81	7.91	7.14	6.49	5.93	5.44	5.00	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	19.83	16.90	14.61	12.78	11.29	10.05	9.02	8.14	7.39	6.74	6.18	5.68	5.25	4.86	4.51	4.20	3.92	3.67	3.45	3.24	3.05	2.88	2.72	2.58	2.44	2.32	2.21
	452.02	SGU L/150	19.83	16.90	14.61	12.78	11.29	10.05	9.02	8.14	7.39	6.74	6.18	5.68	5.25	4.86	4.51	4.20	3.92	3.67	3.45	3.24	3.05	2.88	2.72	2.53	2.30	2.10	1.92
	456.26	SGU L/200	19.83	16.90	14.61	12.78	11.29	10.05	9.02	8.14	7.39	6.74	6.18	5.68	5.25	4.86	4.51	4.20	3.92	3.62	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	19.83	16.90	14.61	12.78	11.29	10.05	9.02	8.14	7.39	6.74	6.18	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	26.69	22.68	19.56	17.06	15.03	13.36	11.96	10.78	9.77	8.89	8.14	7.48	6.89	6.37	5.91	5.50	5.13	4.80	4.50	4.22	3.97	3.75	3.54	3.35	3.17	3.01	2.86
	545.22	SGU L/150	26.69	22.68	19.56	17.06	15.03	13.36	11.96	10.78	9.77	8.89	8.14	7.48	6.89	6.37	5.91	5.50	5.13	4.80	4.50	4.22	3.97	3.72	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	26.69	22.68	19.56	17.06	15.03	13.36	11.96	10.78	9.77	8.89	8.14	7.48	6.89	6.37	5.91	5.50	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	26.69	22.68	19.56	17.06	15.03	13.36	11.96	10.78	9.77	8.89	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15

Number of spans: 3 **support: 60 - 80 - 80 - 60**



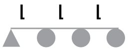
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.96	1.86	1.77	1.66	1.56	1.46	1.38	1.30	1.23	1.16	1.10	1.04	0.99	0.95	0.90	0.86
	198.48	SGU L/150	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.96	1.86	1.77	1.66	1.56	1.46	1.38	1.30	1.23	1.16	1.09	0.99	0.91	0.83	0.76	0.70
	219.01	SGU L/200	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.96	1.86	1.77	1.66	1.56	1.45	1.29	1.16	1.04	0.94	0.85	0.77	0.70	0.64	0.59	0.54
		SGU L/300	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.95	1.69	1.48	1.30	1.14	1.01	0.90	0.80	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.87	2.68	2.49	2.32	2.17	2.03	1.90	1.79	1.69	1.59	1.51	1.43	1.35	1.29	1.22	1.17	1.11
	237.12	SGU L/150	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.87	2.68	2.49	2.32	2.17	2.03	1.90	1.79	1.69	1.59	1.45	1.32	1.20	1.09	1.00	0.92	0.84
	255.51	SGU L/200	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.87	2.68	2.49	2.32	2.17	1.97	1.75	1.56	1.40	1.25	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.74	2.37	2.05	1.78	1.55	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.26	3.01	2.80	2.60	2.43	2.27	2.13	2.01	1.89	1.78	1.69	1.60	1.51	1.44	1.37	1.30	1.24
	258.44	SGU L/150	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.26	3.01	2.80	2.60	2.43	2.27	2.13	2.01	1.89	1.76	1.58	1.44	1.30	1.18	1.08	0.99	0.90
	273.76	SGU L/200	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.26	3.01	2.80	2.60	2.43	2.14	1.90	1.69	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.00	2.57	2.21	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	3.94	3.63	3.35	3.11	2.89	2.70	2.52	2.37	2.22	2.09	1.98	1.87	1.77	1.68	1.59	1.51	1.44	1.37
	277.23	SGU L/150	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	3.94	3.63	3.35	3.11	2.89	2.70	2.52	2.37	2.22	2.09	1.89	1.71	1.54	1.40	1.27	1.15	1.05	0.97
	292.01	SGU L/200	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	3.94	3.63	3.35	3.11	2.89	2.62	2.31	2.04	1.81	1.61	1.44	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	3.79	3.22	2.75	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.51	5.02	4.60	4.24	3.92	3.63	3.37	3.15	2.94	2.75	2.59	2.43	2.29	2.17	2.05	1.94	1.84	1.75	1.67	1.59
	309.33	SGU L/150	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.51	5.02	4.60	4.24	3.92	3.63	3.37	3.15	2.94	2.75	2.59	2.34	2.10	1.89	1.71	1.54	1.40	1.28	1.16	1.06
	321.21	SGU L/200	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.51	5.02	4.60	4.24	3.92	3.63	3.33	2.91	2.55	2.26	2.00	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.51	5.02	4.21	3.57	3.04	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	13.44	11.95	10.75	9.77	8.96	8.27	7.49	6.79	6.18	5.66	5.21	4.80	4.45	4.13	3.85	3.59	3.36	3.15	2.97	2.79	2.64	2.49	2.36	2.24	2.13	2.02	1.93
	355.42	SGU L/150	13.44	11.95	10.75	9.77	8.96	8.27	7.49	6.79	6.18	5.66	5.21	4.80	4.45	4.13	3.85	3.59	3.36	3.01	2.69	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	13.44	11.95	10.75	9.77	8.96	8.27	7.49	6.79	6.18	5.66	5.21	4.80	4.41	3.82	3.33	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	13.44	11.95	10.75	9.77	8.96	8.27	7.49	6.79	5.76	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.80	15.82	14.24	12.95	11.68	10.43	9.38	8.49	7.73	7.06	6.49	5.98	5.53	5.13	4.77	4.45	4.16	3.90	3.67	3.45	3.26	3.08	2.91	2.76	2.62	2.49	2.37
	412.53	SGU L/150	17.80	15.82	14.24	12.95	11.68	10.43	9.38	8.49	7.73	7.06	6.49	5.98	5.53	5.13	4.77	4.45	3.94	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.80	15.82	14.24	12.95	11.68	10.43	9.38	8.49	7.73	7.06	6.49	5.95	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.80	15.82	14.24	12.95	11.68	10.43	9.38	8.07	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	21.02	18.69	16.82	15.10	13.36	11.92	10.71	9.69	8.81	8.05	7.38	6.80	6.29	5.83	5.42	5.05	4.72	4.42	4.15	3.91	3.68	3.48	3.29	3.12	2.96	2.81	2.67
	452.02	SGU L/150	21.02	18.69	16.82	15.10	13.36	11.92	10.71	9.69	8.81	8.05	7.38	6.80	6.29	5.83	5.42	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	21.02	18.69	16.82	15.10	13.36	11.92	10.71	9.69	8.81	8.05	7.38	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	21.02	18.69	16.82	15.10	13.36	11.92	10.71	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	30.17	26.75	23.11	20.21	17.84	15.89	14.25	12.86	11.67	10.64	9.75	8.97	8.28	7.67	7.12	6.63	6.19	5.79	5.43	5.11	4.81	4.54	4.29	4.06	3.85	3.66	3.48
	545.22	SGU L/150	30.17	26.75	23.11	20.21	17.84	15.89	14.25	12.86	11.67	10.64	9.75	8.97	8.28	7.67	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	30.17	26.75	23.11	20.21	17.84	15.89	14.25	12.86	11.67	10.64	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	30.17	26.75	23.11	20.21	17.84	15.89	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130-v2 **Negative**
Number of spans: 1 **support: 60 - 60**

Thickness	Jx [cm4]	Case	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.34	1.28	1.22	1.17	1.12	1.08	1.04	1.00	0.97	0.94	0.91	0.88	0.85	0.83
	207.70	SGU L/150	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.34	1.28	1.17	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	218.80	SGU L/200	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.34	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.74	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.20	1.16
	247.55	SGU L/150	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.84	1.61	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	1.88	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.53	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.31	2.20	2.10	2.01	1.92	1.85	1.78	1.71	1.65	1.59	1.54	1.49	1.44	1.40	1.33
	266.46	SGU L/150	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.29	1.99	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.37	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.77	5.13	4.62	4.20	3.85	3.55	3.30	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.68	2.55	2.44	2.33	2.23	2.14	2.06	1.98	1.91	1.85	1.79	1.73	1.64	1.54	1.45
	286.18	SGU L/150	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.47	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.01	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.70	5.95	5.36	4.87	4.47	4.12	3.60	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.49	3.32	3.16	3.01	2.88	2.76	2.65	2.55	2.46	2.37	2.25	2.10	1.97	1.85	1.74	1.64
	316.29	SGU L/150	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.18	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	3.98	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	8.29	7.37	6.63	6.03	5.53	4.94	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.06	4.78	4.53	4.30	4.10	3.91	3.74	3.58	3.44	3.29	3.05	2.84	2.65	2.47	2.32	2.17	2.04	1.93
	360.18	SGU L/150	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.04	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.51	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.75	9.56	8.60	7.82	7.17	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.12	6.70	6.33	6.00	5.70	5.42	5.18	4.95	4.61	4.25	3.93	3.64	3.39	3.16	2.95	2.76	2.59	2.44	2.30
	416.46	SGU L/150	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.00	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	14.24	12.66	11.39	10.36	9.49	8.76	7.84	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	14.24	12.66	11.39	10.36	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	8.41	7.91	7.47	7.08	6.73	6.41	6.09	5.57	5.11	4.71	4.36	4.04	3.76	3.50	3.27	3.06	2.88	2.70	2.55
	454.28	SGU L/150	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	7.64	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.82	14.95	13.45	12.23	11.21	10.35	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.82	14.95	13.45	11.74	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	24.13	21.45	19.31	17.55	16.09	14.85	13.79	12.87	12.07	11.36	10.73	10.16	9.24	8.38	7.63	6.98	6.41	5.91	5.47	5.07	4.71	4.39	4.10	3.84	3.61	3.39	3.20
	546.65	SGU L/150	24.13	21.45	19.31	17.55	16.09	14.85	13.71	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	24.13	21.45	19.31	17.55	16.09	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	24.13	21.45	18.81	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

Number of spans: 2 **support: 60 - 80 - 60**

Thickness	Jx [cm4]	Case	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	4.68	4.16	3.74	3.40	3.11	2.80	2.53	2.30	2.11	1.94	1.79	1.66	1.54	1.43	1.34	1.25	1.18	1.11	1.04	0.99	0.93	0.88	0.84	0.80	0.76	0.72	0.69
	207.70	SGU L/150	4.68	4.16	3.74	3.40	3.11	2.80	2.53	2.30	2.11	1.94	1.79	1.66	1.54	1.43	1.34	1.25	1.18	1.11	1.04	0.99	0.93	0.88	0.84	0.80	0.76	0.72	0.69
	218.80	SGU L/200	4.68	4.16	3.74	3.40	3.11	2.80	2.53	2.30	2.11	1.94	1.79	1.66	1.54	1.43	1.34	1.25	1.18	1.11	1.04	0.99	0.93	0.88	0.84	0.80	0.76	0.72	0.69
		SGU L/300	4.68	4.16	3.74	3.40	3.11	2.80	2.53	2.30	2.11	1.94	1.79	1.66	1.54	1.43	1.34	1.25	1.18	1.11	1.02	0.92	0.82	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.58	5.85	5.26	4.68	4.16	3.74	3.38	3.07	2.81	2.58	2.38	2.20	2.04	1.90	1.77	1.66	1.55	1.46	1.37	1.30	1.23	1.16	1.10	1.05	0.99	0.95	0.90
	247.55	SGU L/150	6.58	5.85	5.26	4.68	4.16	3.74	3.38	3.07	2.81	2.58	2.38	2.20	2.04	1.90	1.77	1.66	1.55	1.46	1.37	1.30	1.23	1.16	1.10	1.05	0.99	0.95	0.90
	255.51	SGU L/200	6.58	5.85	5.26	4.68	4.16	3.74	3.38	3.07	2.81	2.58	2.38	2.20	2.04	1.90	1.77	1.66	1.55	1.46	1.37	1.30	1.23	1.16	1.10	1.05	0.96	0.88	0.81
		SGU L/300	6.58	5.85	5.26	4.68	4.16	3.74	3.38	3.07	2.81	2.58	2.38	2.20	2.04	1.90	1.77	1.66	1.52	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.69	6.84	6.05	5.34	4.75	4.26	3.85	3.49	3.19	2.92	2.69	2.49	2.31	2.15	2.00	1.87	1.75	1.65	1.55	1.46	1.38	1.31	1.24	1.18	1.12	1.07	1.02
	266.46	SGU L/150	7.69	6.84	6.05	5.34	4.75	4.26	3.85	3.49	3.19	2.92	2.69	2.49	2.31	2.15	2.00	1.87	1.75	1.65	1.55	1.46	1.38	1.31	1.24	1.18	1.12	1.07	1.02
	273.76	SGU L/200	7.69	6.84	6.05	5.34	4.75	4.26	3.85	3.49	3.19	2.92	2.69	2.49	2.31	2.15	2.00	1.87	1.75	1.65	1.55	1.46	1.38	1.31	1.24	1.14	1.04	0.95	0.86
		SGU L/300	7.69	6.84	6.05	5.34	4.75	4.26	3.85	3.49	3.19	2.92	2.69	2.49	2.31	2.15	2.00	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.93	7.87	6.86	6.04	5.37	4.81	4.34	3.94	3.59	3.29	3.03	2.80	2.60	2.41	2.25	2.10	1.97	1.85	1.74	1.64	1.55	1.46	1.39	1.32	1.25	1.19	1.13
	286.18	SGU L/150	8.93	7.87	6.86	6.04	5.37	4.81	4.34	3.94	3.59	3.29	3.03	2.80	2.60	2.41	2.25	2.10	1.97	1.85	1.74	1.64	1.55	1.46	1.39	1.32	1.25	1.19	1.13
	292.01	SGU L/200	8.93	7.87	6.86	6.04	5.37	4.81	4.34	3.94	3.59	3.29	3.03	2.80	2.60	2.41	2.25	2.10	1.97	1.85	1.74	1.64	1.55	1.46	1.34	1.22	1.11	1.01	0.92
		SGU L/300	8.93	7.87	6.86	6.04	5.37	4.81	4.34	3.94	3.59	3.29	3.03	2.80	2.60	2.41	2.25	1.98	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	10.99	9.43	8.20	7.21	6.40	5.73	5.16	4.68	4.26	3.90	3.59	3.31	3.06	2.85	2.65	2.47	2.32	2.17	2.04	1.93	1.82	1.72	1.63	1.54	1.47	1.39	1.33
	316.29	SGU L/150	10.99	9.43	8.20	7.21	6.40	5.73	5.16	4.68	4.26	3.90	3.59	3.31	3.06	2.85	2.65	2.47	2.32	2.17	2.04	1.93	1.82	1.72	1.63	1.54	1.47	1.39	1.33
	321.21	SGU L/200	10.99	9.43	8.20	7.21	6.40	5.73	5.16	4.68	4.26	3.90	3.59	3.31	3.06	2.85	2.65	2.47	2.32	2.17	2.04	1.93	1.82	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	10.99	9.43	8.20	7.21	6.40	5.73	5.16	4.68	4.26	3.90	3.59	3.31	3.06	2.85	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	13.70	11.72	10.17	8.92	7.90	7.06	6.35	5.75	5.23	4.78	4.39	4.04	3.74	3.47	3.23	3.01	2.82	2.64	2.48	2.33	2.20	2.08	1.97	1.87	1.77	1.68	1.60
	360.18	SGU L/150	13.70	11.72	10.17	8.92	7.90	7.06	6.35	5.75	5.23	4.78	4.39	4.04	3.74	3.47	3.23	3.01	2.82	2.64	2.48	2.33	2.20	2.08	1.97	1.87	1.77	1.68	1.54
	365.01	SGU L/200	13.70	11.72	10.17	8.92	7.90	7.06	6.35	5.75	5.23	4.78	4.39	4.04	3.74	3.47	3.23	3.01	2.82	2.64	2.48	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	13.70	11.72	10.17	8.92	7.90	7.06	6.35	5.75	5.23	4.78	4.39	4.04	3.74	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	17.31	14.78	12.79	11.20	9.90	8.83	7.93	7.16	6.51	5.94	5.45	5.01	4.63	4.29	3.99	3.72	3.47	3.25	3.05	2.87	2.71	2.55	2.42	2.29	2.17	2.06	1.96
	416.46	SGU L/150	17.31	14.78	12.79	11.20	9.90	8.83	7.93	7.16	6.51	5.94	5.45	5.01	4.63	4.29	3.99	3.72	3.47	3.25	3.05	2.87	2.71	2.55	2.42	2.29	2.12	1.93	1.77
	419.75	SGU L/200	17.31	14.78	12.79	11.20	9.90	8.83	7.93	7.16	6.51	5.94	5.45	5.01	4.63	4.29	3.99	3.72	3.47	3.25	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	17.31	14.78	12.79	11.20	9.90	8.83	7.93	7.16	6.51	5.94	5.45	5.01	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	19.87	16.93	14.64	12.80	11.31	10.07	9.03	8.15	7.40	6.75	6.19	5.69	5.25	4.86	4.52	4.21	3.93	3.68	3.45	3.24	3.06	2.88	2.73	2.58	2.45	2.32	2.21
	454.28	SGU L/150	19.87	16.93	14.64	12.80	11.31	10.07	9.03	8.15	7.40	6.75	6.19	5.69	5.25	4.86	4.52	4.21	3.93	3.68	3.45	3.24	3.06	2.88	2.73	2.53	2.30	2.10	1.92
	456.26	SGU L/200	19.87	16.93	14.64	12.80	11.31	10.07	9.03	8.15	7.40	6.75	6.19	5.69	5.25	4.86	4.52	4.21	3.93	3.62	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	19.87	16.93	14.64	12.80	11.31	10.07	9.03	8.15	7.40	6.75	6.19	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	26.72	22.71	19.57	17.07	15.04	13.37	11.97	10.78	9.77	8.90	8.14	7.47	6.88	6.36	5.90	5.49	5.12	4.79	4.49	4.22	3.97	3.74	3.53	3.34	3.17	3.00	2.85
	546.65	SGU L/150	26.72	22.71	19.57	17.07	15.04	13.37	11.97	10.78	9.77	8.90	8.14	7.47	6.88	6.36	5.90	5.49	5.12	4.79	4.49	4.22	3.97	3.72	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	26.72	22.71	19.57	17.07	15.04	13.37	11.97	10.78	9.77	8.90	8.14	7.47	6.88	6.36	5.90	5.49	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	26.72	22.71	19.57	17.07	15.04	13.37	11.97	10.78	9.77	8.90	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15



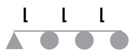
Number of spans: 3 **support: 60 - 80 - 80 - 60**

Thickness	Jx [cm4]	Case	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.75	1.67	1.59	1.49	1.40	1.32	1.24	1.18	1.11	1.06	1.00	0.95	0.91	0.87	0.83
	207.70	SGU L/150	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.75	1.67	1.59	1.49	1.40	1.32	1.24	1.18	1.11	1.06	1.00	0.93	0.85	0.78	0.72
	218.80	SGU L/200	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.75	1.67	1.59	1.49	1.40	1.32	1.19	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
		SGU L/300	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.73	1.51	1.32	1.16	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.42	2.25	2.11	1.97	1.85	1.74	1.64	1.55	1.47	1.39	1.32	1.25	1.19	1.14	1.08
	247.55	SGU L/150	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.42	2.25	2.11	1.97	1.85	1.74	1.64	1.55	1.47	1.34	1.22	1.10	1.01	0.92	0.84
	255.51	SGU L/200	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.42	2.25	2.11	1.97	1.78	1.58	1.41	1.26	1.13	1.02	0.92	0.83	0.76	0.69	0.63
		SGU L/300	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.39	2.06	1.78	1.55	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.19	2.95	2.74	2.55	2.38	2.23	2.09	1.97	1.85	1.75	1.66	1.57	1.49	1.41	1.34	1.28	1.22
	266.46	SGU L/150	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.19	2.95	2.74	2.55	2.38	2.23	2.09	1.97	1.85	1.75	1.60	1.45	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.19	2.95	2.74	2.55	2.38	2.17	1.91	1.70	1.51	1.35	1.21	1.09	0.99	0.90	0.81	0.74	0.68
		SGU L/300	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.02	2.57	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.90	3.60	3.33	3.09	2.87	2.68	2.51	2.35	2.21	2.08	1.96	1.86	1.76	1.67	1.58	1.51	1.43	1.37
	286.18	SGU L/150	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.90	3.60	3.33	3.09	2.87	2.68	2.51	2.35	2.21	2.08	1.91	1.72	1.55	1.40	1.27	1.16	1.05	0.97
	292.01	SGU L/200	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.90	3.60	3.33	3.09	2.87	2.64	2.32	2.05	1.82	1.62	1.44	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.82	3.23	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.05	4.63	4.26	3.94	3.65	3.40	3.17	2.96	2.77	2.60	2.45	2.31	2.18	2.07	1.96	1.86	1.77	1.68	1.60
	316.29	SGU L/150	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.05	4.63	4.26	3.94	3.65	3.40	3.17	2.96	2.77	2.60	2.36	2.11	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.05	4.63	4.26	3.94	3.65	3.36	2.93	2.56	2.26	2.00	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.05	4.23	3.57	3.04	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	13.44	11.95	10.75	9.77	8.96	8.27	7.52	6.81	6.21	5.68	5.23	4.82	4.47	4.15	3.86	3.61	3.38	3.17	2.98	2.81	2.65	2.51	2.37	2.25	2.14	2.03	1.94
	360.18	SGU L/150	13.44	11.95	10.75	9.77	8.96	8.27	7.52	6.81	6.21	5.68	5.23	4.82	4.47	4.15	3.86	3.61	3.38	3.02	2.69	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	13.44	11.95	10.75	9.77	8.96	8.27	7.52	6.81	6.21	5.68	5.23	4.82	4.43	3.83	3.34	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	13.44	11.95	10.75	9.77	8.96	8.27	7.52	6.81	5.78	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.80	15.82	14.24	12.95	11.71	10.46	9.41	8.51	7.75	7.08	6.50	5.99	5.54	5.14	4.78	4.46	4.17	3.91	3.68	3.46	3.26	3.08	2.92	2.77	2.63	2.50	2.38
	416.46	SGU L/150	17.80	15.82	14.24	12.95	11.71	10.46	9.41	8.51	7.75	7.08	6.50	5.99	5.54	5.14	4.78	4.46	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.80	15.82	14.24	12.95	11.71	10.46	9.41	8.51	7.75	7.08	6.50	5.96	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.80	15.82	14.24	12.95	11.71	10.46	9.41	8.08	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	21.02	18.69	16.82	15.12	13.38	11.94	10.73	9.70	8.82	8.06	7.39	6.81	6.29	5.84	5.43	5.06	4.73	4.43	4.16	3.92	3.69	3.49	3.30	3.12	2.96	2.82	2.68
	454.28	SGU L/150	21.02	18.69	16.82	15.12	13.38	11.94	10.73	9.70	8.82	8.06	7.39	6.81	6.29	5.84	5.43	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	21.02	18.69	16.82	15.12	13.38	11.94	10.73	9.70	8.82	8.06	7.39	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	21.02	18.69	16.82	15.12	13.38	11.94	10.73	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	30.17	26.78	23.14	20.23	17.86	15.90	14.25	12.86	11.67	10.65	9.75	8.96	8.27	7.65	7.11	6.62	6.18	5.78	5.43	5.10	4.80	4.53	4.28	4.05	3.84	3.65	3.47
	546.65	SGU L/150	30.17	26.78	23.14	20.23	17.86	15.90	14.25	12.86	11.67	10.65	9.75	8.96	8.27	7.65	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	30.17	26.78	23.14	20.23	17.86	15.90	14.25	12.86	11.67	10.65	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	30.17	26.78	23.14	20.23	17.86	15.90	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S350 GD

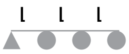
T130-v2			Positive																										
Number of spans: 1			**support:**	**60 - 60**																									
Thickness	*Jx [cm4]*	*Case*	*2.00*	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.35	1.29	1.24	1.19	1.14	1.10	1.06	1.03	0.99	0.96	0.93	0.90	0.88
	198.48	SGU L/150	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.50	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.33	1.29	1.25	1.20
	237.12	SGU L/150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.04	1.79	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.13	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.38	2.27	2.17	2.07	1.99	1.91	1.83	1.77	1.70	1.64	1.59	1.54	1.49	1.41	1.33
	258.44	SGU L/150	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.71	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.96	5.30	4.77	4.34	3.97	3.67	3.25	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.48	2.37	2.27	2.18	2.10	2.02	1.95	1.88	1.82	1.75	1.64	1.54	1.45
	277.23	SGU L/150	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.78	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	2.95	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.81	6.06	5.45	4.96	4.54	4.19	3.53	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.49	3.32	3.16	3.01	2.88	2.76	2.65	2.55	2.46	2.37	2.28	2.13	1.99	1.87	1.76	1.66
	309.33	SGU L/150	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.65	3.14	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	3.93	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	8.29	7.37	6.63	6.03	5.53	4.88	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.06	4.78	4.53	4.30	4.10	3.91	3.74	3.58	3.44	3.31	3.08	2.86	2.67	2.49	2.34	2.19	2.06	1.94
	355.42	SGU L/150	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	4.98	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.47	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.75	9.56	8.60	7.82	7.08	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.12	6.70	6.33	6.00	5.70	5.42	5.18	4.95	4.63	4.26	3.94	3.66	3.40	3.17	2.96	2.77	2.60	2.45	2.31
	412.53	SGU L/150	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	6.93	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	14.24	12.66	11.39	10.36	9.49	8.76	7.78	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	14.24	12.66	11.39	10.36	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	8.41	7.91	7.47	7.08	6.73	6.41	6.10	5.58	5.13	4.72	4.37	4.05	3.77	3.51	3.28	3.07	2.88	2.71	2.55
	452.02	SGU L/150	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	7.62	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.82	14.95	13.45	12.23	11.21	10.35	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.82	14.95	13.45	11.69	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	24.13	21.45	19.31	17.55	16.09	14.85	13.79	12.87	12.07	11.36	10.73	10.16	9.21	8.35	7.61	6.96	6.40	5.89	5.45	5.05	4.70	4.38	4.09	3.83	3.60	3.38	3.19
	545.22	SGU L/150	24.13	21.45	19.31	17.55	16.09	14.85	13.67	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	24.13	21.45	19.31	17.55	16.09	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	24.13	21.45	18.77	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans: 2			**support:**	**60 - 120 - 60**																									
Thickness	*Jx [cm4]*	*Case*	*2.00*	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	4.96	4.41	3.97	3.61	3.31	3.05	2.83	2.64	2.42	2.22	2.04	1.88	1.75	1.62	1.51	1.41	1.32	1.24	1.17	1.10	1.04	0.99	0.93	0.89	0.84	0.80	0.76
	198.48	SGU L/150	4.96	4.41	3.97	3.61	3.31	3.05	2.83	2.64	2.42	2.22	2.04	1.88	1.75	1.62	1.51	1.41	1.32	1.24	1.17	1.10	1.04	0.99	0.93	0.89	0.84	0.80	0.76
	219.01	SGU L/200	4.96	4.41	3.97	3.61	3.31	3.05	2.83	2.64	2.42	2.22	2.04	1.88	1.75	1.62	1.51	1.41	1.32	1.24	1.17	1.10	1.04	0.99	0.93	0.89	0.82	0.75	0.69
		SGU L/300	4.96	4.41	3.97	3.61	3.31	3.05	2.83	2.64	2.42	2.22	2.04	1.88	1.75	1.62	1.51	1.41	1.29	1.15	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.88	6.12	5.50	5.00	4.59	4.23	3.83	3.47	3.16	2.89	2.66	2.45	2.27	2.11	1.96	1.83	1.71	1.61	1.51	1.42	1.34	1.27	1.20	1.14	1.08	1.03	0.98
	237.12	SGU L/150	6.88	6.12	5.50	5.00	4.59	4.23	3.83	3.47	3.16	2.89	2.66	2.45	2.27	2.11	1.96	1.83	1.71	1.61	1.51	1.42	1.34	1.27	1.20	1.14	1.08	1.03	0.98
	255.51	SGU L/200	6.88	6.12	5.50	5.00	4.59	4.23	3.83	3.47	3.16	2.89	2.66	2.45	2.27	2.11	1.96	1.83	1.71	1.61	1.51	1.42	1.34	1.27	1.17	1.06	0.97	0.88	0.81
		SGU L/300	6.88	6.12	5.50	5.00	4.59	4.23	3.83	3.47	3.16	2.89	2.66	2.45	2.27	2.11	1.96	1.73	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.95	7.06	6.36	5.78	5.30	4.78	4.30	3.89	3.54	3.24	2.98	2.75	2.54	2.36	2.19	2.05	1.91	1.79	1.69	1.59	1.50	1.42	1.34	1.27	1.21	1.15	1.09
	258.44	SGU L/150	7.95	7.06	6.36	5.78	5.30	4.78	4.30	3.89	3.54	3.24	2.98	2.75	2.54	2.36	2.19	2.05	1.91	1.79	1.69	1.59	1.50	1.42	1.34	1.27	1.21	1.15	1.09
	273.76	SGU L/200	7.95	7.06	6.36	5.78	5.30	4.78	4.30	3.89	3.54	3.24	2.98	2.75	2.54	2.36	2.19	2.05	1.91	1.79	1.69	1.59	1.50	1.39	1.26	1.14	1.04	0.95	0.86
		SGU L/300	7.95	7.06	6.36	5.78	5.30	4.78	4.30	3.89	3.54	3.24	2.98	2.75	2.54	2.36	2.12	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	9.09	8.08	7.27	6.61	5.96	5.32	4.78	4.33	3.94	3.60	3.30	3.04	2.81	2.61	2.43	2.26	2.12	1.98	1.86	1.75	1.65	1.56	1.48	1.40	1.33	1.26	1.20
	277.23	SGU L/150	9.09	8.08	7.27	6.61	5.96	5.32	4.78	4.33	3.94	3.60	3.30	3.04	2.81	2.61	2.43	2.26	2.12	1.98	1.86	1.75	1.65	1.56	1.48	1.40	1.33	1.26	1.20
	292.01	SGU L/200	9.09	8.08	7.27	6.61	5.96	5.32	4.78	4.33	3.94	3.60	3.30	3.04	2.81	2.61	2.43	2.26	2.12	1.98	1.86	1.75	1.65	1.49	1.34	1.22	1.11	1.01	0.92
		SGU L/300	9.09	8.08	7.27	6.61	5.96	5.32	4.78	4.33	3.94	3.60	3.30	3.04	2.81	2.61	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	11.05	9.82	8.84	7.88	6.97	6.22	5.58	5.05	4.59	4.19	3.84	3.54	3.27	3.03	2.82	2.62	2.45	2.30	2.16	2.03	1.91	1.80	1.71	1.62	1.53	1.46	1.39
	309.33	SGU L/150	11.05	9.82	8.84	7.88	6.97	6.22	5.58	5.05	4.59	4.19	3.84	3.54	3.27	3.03	2.82	2.62	2.45	2.30	2.16	2.03	1.91	1.80	1.71	1.62	1.53	1.46	1.35
	321.21	SGU L/200	11.05	9.82	8.84	7.88	6.97	6.22	5.58	5.05	4.59	4.19	3.84	3.54	3.27	3.03	2.82	2.62	2.45	2.30	2.16	2.03	1.82	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	11.05	9.82	8.84	7.88	6.97	6.22	5.58	5.05	4.59	4.19	3.84	3.54	3.27	2.87	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	14.33	12.74	11.10	9.71	8.57	7.64	6.85	6.18	5.61	5.12	4.69	4.31	3.98	3.69	3.42	3.19	2.98	2.79	2.61	2.46	2.31	2.18	2.06	1.95	1.85	1.76	1.67
	355.42	SGU L/150	14.33	12.74	11.10	9.71	8.57	7.64	6.85	6.18	5.61	5.12	4.69	4.31	3.98	3.69	3.42	3.19	2.98	2.79	2.61	2.46	2.31	2.18	2.06	1.95	1.84	1.68	1.54
	365.01	SGU L/200	14.33	12.74	11.10	9.71	8.57	7.64	6.85	6.18	5.61	5.12	4.69	4.31	3.98	3.69	3.42	3.19	2.98	2.79	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	14.33	12.74	11.10	9.71	8.57	7.64	6.85	6.18	5.61	5.12	4.69	4.31	3.78	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	18.98	16.14	13.92	12.15	10.71	9.52	8.52	7.68	6.96	6.34	5.81	5.33	4.92	4.55	4.22	3.93	3.66	3.43	3.21	3.02	2.84	2.68	2.53	2.39	2.27	2.15	2.04
	412.53	SGU L/150	18.98	16.14	13.92	12.15	10.71	9.52	8.52	7.68	6.96	6.34	5.81	5.33	4.92	4.55	4.22	3.93	3.66	3.43	3.21	3.02	2.84	2.68	2.53	2.33	2.12	1.93	1.77
	419.75	SGU L/200	18.98	16.14	13.92	12.15	10.71	9.52	8.52	7.68	6.96	6.34	5.81	5.33	4.92	4.55	4.22	3.93	3.66	3.33	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	18.98	16.14	13.92	12.15	10.71	9.52	8.52	7.68	6.96	6.34	5.81	5.06	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	21.73	18.45	15.89	13.85	12.20	10.83	9.69	8.73	7.91	7.20	6.58	6.04	5.57	5.15	4.77	4.44	4.14	3.87	3.63	3.40	3.20	3.02	2.85	2.70	2.55	2.42	2.30
	452.02	SGU L/150	21.73	18.45	15.89	13.85	12.20	10.83	9.69	8.73	7.91	7.20	6.58	6.04	5.57	5.15	4.77	4.44	4.14	3.87	3.63	3.40	3.20	3.02	2.80	2.53	2.30	2.10	1.92
	456.26	SGU L/200	21.73	18.45	15.89	13.85	12.20	10.83	9.69	8.73	7.91	7.20	6.58	6.04	5.57	5.15	4.77	4.44	4.10	3.62	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	21.73	18.45	15.89	13.85	12.20	10.83	9.69	8.73	7.91	7.20	6.47	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	29.08	24.62	21.14	18.39	16.15	14.31	12.78	11.49	10.39	9.44	8.63	7.91	7.28	6.72	6.22	5.78	5.39	5.03	4.71	4.42	4.15	3.91	3.69	3.49	3.30	3.13	2.97
	545.22	SGU L/150	29.08	24.62	21.14	18.39	16.15	14.31	12.78	11.49	10.39	9.44	8.63	7.91	7.28	6.72	6.22	5.78	5.39	5.03	4.71	4.42	4.13	3.72	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	29.08	24.62	21.14	18.39	16.15	14.31	12.78	11.49	10.39	9.44	8.63	7.91	7.28	6.72	6.22	5.59	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	29.08	24.62	21.14	18.39	16.15	14.31	12.78	11.49	10.39	9.22	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans: 3			**support:**	**60 - 120 - 120 - 60**																									
Thickness	*Jx [cm4]*	*Case*	*2.00*	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.96	1.86	1.77	1.69	1.62	1.55	1.49	1.40	1.32	1.25	1.18	1.12	1.06	1.01	0.96	0.92
	198.48	SGU L/150	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.96	1.86	1.77	1.69	1.62	1.55	1.49	1.40	1.32	1.22	1.11	1.00	0.91	0.84	0.77	0.71
	219.01	SGU L/200	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.96	1.86	1.77	1.69	1.62	1.46	1.30	1.17	1.05	0.95	0.86	0.78	0.71	0.64	0.59	0.54
		SGU L/300	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.95	1.69	1.49	1.31	1.15	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.87	2.72	2.58	2.46	2.34	2.19	2.05	1.93	1.81	1.71	1.61	1.53	1.45	1.37	1.30	1.24	1.18
	237.12	SGU L/150	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.87	2.72	2.58	2.46	2.34	2.19	2.05	1.93	1.81	1.63	1.47	1.33	1.22	1.10	1.01	0.92	0.84
	255.51	SGU L/200	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.87	2.72	2.58	2.46	2.25	1.99	1.77	1.58	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.74	2.39	2.06	1.79	1.56	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.31	3.14	2.98	2.82	2.62	2.45	2.29	2.15	2.03	1.91	1.80	1.70	1.61	1.53	1.45	1.38	1.32
	258.44	SGU L/150	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.31	3.14	2.98	2.82	2.62	2.45	2.29	2.15	1.97	1.78	1.60	1.44	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.31	3.14	2.98	2.80	2.46	2.16	1.91	1.70	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.01	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	4.01	3.79	3.59	3.36	3.12	2.91	2.71	2.54	2.38	2.24	2.11	1.99	1.88	1.78	1.69	1.61	1.53	1.45
	277.23	SGU L/150	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	4.01	3.79	3.59	3.36	3.12	2.91	2.71	2.54	2.38	2.12	1.90	1.71	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	4.01	3.79	3.59	3.36	3.02	2.64	2.32	2.05	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	3.81	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.58	4.23	3.91	3.63	3.38	3.15	2.95	2.76	2.60	2.44	2.31	2.18	2.06	1.95	1.86	1.76	1.68
	309.33	SGU L/150	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.58	4.23	3.91	3.63	3.38	3.15	2.95	2.64	2.35	2.11	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.58	4.23	3.85	3.35	2.92	2.57	2.26	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.02	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.69	6.11	5.61	5.16	4.77	4.42	4.11	3.83	3.58	3.36	3.15	2.96	2.79	2.64	2.50	2.36	2.24	2.13	2.03
	355.42	SGU L/150	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.69	6.11	5.61	5.16	4.77	4.42	4.11	3.83	3.41	3.03	2.69	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.69	6.11	5.61	5.14	4.43	3.83	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	13.44	11.95	10.75	9.77	8.96	8.27	7.68	6.97	5.78	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.80	15.82	14.24	12.95	11.87	10.95	10.15	9.16	8.32	7.59	6.95	6.40	5.91	5.47	5.08	4.73	4.42	4.14	3.88	3.65	3.44	3.24	3.06	2.90	2.75	2.61	2.48
	412.53	SGU L/150	17.80	15.82	14.24	12.95	11.87	10.95	10.15	9.16	8.32	7.59	6.95	6.40	5.91	5.47	5.08	4.48	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.80	15.82	14.24	12.95	11.87	10.95	10.15	9.16	8.32	7.59	6.95	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.80	15.82	14.24	12.95	11.87	10.95	9.92	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	21.02	18.69	16.82	15.29	14.02	12.89	11.56	10.42	9.46	8.62	7.89	7.26	6.70	6.20	5.75	5.35	5.00	4.68	4.39	4.12	3.88	3.66	3.46	3.27	3.10	2.94	2.80
	452.02	SGU L/150	21.02	18.69	16.82	15.29	14.02	12.89	11.56	10.42	9.46	8.62	7.89	7.26	6.70	6.20	5.57	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	21.02	18.69	16.82	15.29	14.02	12.89	11.56	10.42	9.46	8.62	7.63	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	21.02	18.69	16.82	15.29	14.02	12.89	10.82	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	30.17	26.81	24.13	21.85	19.24	17.08	15.28	13.76	12.46	11.34	10.37	9.52	8.77	8.11	7.52	6.99	6.52	6.09	5.71	5.36	5.04	4.75	4.49	4.24	4.02	3.81	3.62
	545.22	SGU L/150	30.17	26.81	24.13	21.85	19.24	17.08	15.28	13.76	12.46	11.34	10.37	9.52	8.77	7.69	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	30.17	26.81	24.13	21.85	19.24	17.08	15.28	13.76	12.46	10.88	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	30.17	26.81	24.13	21.85	19.24	16.21	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91



T130

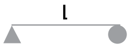
S350 GD

T130-v2			Negative																										
Number of spans: 1			**support: 60 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.34	1.28	1.22	1.17	1.12	1.08	1.04	1.00	0.97	0.94	0.91	0.88	0.85	0.83
	207.70	SGU L/150	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.34	1.28	1.17	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	218.80	SGU L/200	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.34	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.74	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.20	1.16
	247.55	SGU L/150	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.84	1.61	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	1.88	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.53	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.31	2.20	2.10	2.01	1.92	1.85	1.78	1.71	1.65	1.59	1.54	1.49	1.44	1.40	1.33
	266.46	SGU L/150	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.29	1.99	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.37	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.77	5.13	4.62	4.20	3.85	3.55	3.30	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.68	2.55	2.44	2.33	2.23	2.14	2.06	1.98	1.91	1.85	1.79	1.73	1.64	1.54	1.45
	286.18	SGU L/150	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.47	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.01	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.70	5.95	5.36	4.87	4.47	4.12	3.60	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.49	3.32	3.16	3.01	2.88	2.76	2.65	2.55	2.46	2.37	2.25	2.10	1.97	1.85	1.74	1.64
	316.29	SGU L/150	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.18	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	3.98	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	8.29	7.37	6.63	6.03	5.53	4.94	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.06	4.78	4.53	4.30	4.10	3.91	3.74	3.58	3.44	3.29	3.05	2.84	2.65	2.47	2.32	2.17	2.04	1.93
	360.18	SGU L/150	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.04	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.51	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.75	9.56	8.60	7.82	7.17	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.12	6.70	6.33	6.00	5.70	5.42	5.18	4.95	4.61	4.25	3.93	3.64	3.39	3.16	2.95	2.76	2.59	2.44	2.30
	416.46	SGU L/150	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.00	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	14.24	12.66	11.39	10.36	9.49	8.76	7.84	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	14.24	12.66	11.39	10.36	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	8.41	7.91	7.47	7.08	6.73	6.41	6.09	5.57	5.11	4.71	4.36	4.04	3.76	3.50	3.27	3.06	2.88	2.70	2.55
	454.28	SGU L/150	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	7.64	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.82	14.95	13.45	12.23	11.21	10.35	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.82	14.95	13.45	11.74	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	24.13	21.45	19.31	17.55	16.09	14.85	13.79	12.87	12.07	11.36	10.73	10.16	9.24	8.38	7.63	6.98	6.41	5.91	5.47	5.07	4.71	4.39	4.10	3.84	3.61	3.39	3.20
	546.65	SGU L/150	24.13	21.45	19.31	17.55	16.09	14.85	13.71	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	24.13	21.45	19.31	17.55	16.09	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	24.13	21.45	18.81	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
Number of spans: 2			**support: 60 - 120 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.49	2.31	2.12	1.95	1.81	1.67	1.56	1.45	1.36	1.27	1.19	1.12	1.06	1.00	0.95	0.90	0.85	0.81	0.77	0.74
	207.70	SGU L/150	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.49	2.31	2.12	1.95	1.81	1.67	1.56	1.45	1.36	1.27	1.19	1.12	1.06	1.00	0.95	0.90	0.85	0.81	0.77	0.74
	218.80	SGU L/200	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.49	2.31	2.12	1.95	1.81	1.67	1.56	1.45	1.36	1.27	1.19	1.12	1.06	1.00	0.95	0.90	0.85	0.81	0.75	0.69
		SGU L/300	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.49	2.31	2.12	1.95	1.81	1.67	1.56	1.45	1.36	1.27	1.15	1.03	0.92	0.82	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.58	5.85	5.26	4.78	4.39	4.05	3.71	3.36	3.07	2.81	2.58	2.38	2.21	2.05	1.91	1.78	1.67	1.57	1.47	1.39	1.31	1.24	1.17	1.11	1.06	1.01	0.96
	247.55	SGU L/150	6.58	5.85	5.26	4.78	4.39	4.05	3.71	3.36	3.07	2.81	2.58	2.38	2.21	2.05	1.91	1.78	1.67	1.57	1.47	1.39	1.31	1.24	1.17	1.11	1.06	1.01	0.96
	255.51	SGU L/200	6.58	5.85	5.26	4.78	4.39	4.05	3.71	3.36	3.07	2.81	2.58	2.38	2.21	2.05	1.91	1.78	1.67	1.57	1.47	1.39	1.31	1.24	1.17	1.06	0.97	0.88	0.81
		SGU L/300	6.58	5.85	5.26	4.78	4.39	4.05	3.71	3.36	3.07	2.81	2.58	2.38	2.21	2.05	1.91	1.73	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.69	6.84	6.16	5.60	5.13	4.68	4.21	3.81	3.47	3.18	2.92	2.69	2.49	2.31	2.15	2.01	1.88	1.76	1.66	1.56	1.47	1.39	1.32	1.25	1.19	1.13	1.07
	266.46	SGU L/150	7.69	6.84	6.16	5.60	5.13	4.68	4.21	3.81	3.47	3.18	2.92	2.69	2.49	2.31	2.15	2.01	1.88	1.76	1.66	1.56	1.47	1.39	1.32	1.25	1.19	1.13	1.07
	273.76	SGU L/200	7.69	6.84	6.16	5.60	5.13	4.68	4.21	3.81	3.47	3.18	2.92	2.69	2.49	2.31	2.15	2.01	1.88	1.76	1.66	1.56	1.47	1.39	1.26	1.14	1.04	0.95	0.86
		SGU L/300	7.69	6.84	6.16	5.60	5.13	4.68	4.21	3.81	3.47	3.18	2.92	2.69	2.49	2.31	2.12	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.93	7.94	7.15	6.50	5.89	5.27	4.74	4.29	3.91	3.57	3.28	3.02	2.80	2.59	2.41	2.25	2.11	1.97	1.86	1.75	1.65	1.56	1.47	1.40	1.32	1.26	1.20
	286.18	SGU L/150	8.93	7.94	7.15	6.50	5.89	5.27	4.74	4.29	3.91	3.57	3.28	3.02	2.80	2.59	2.41	2.25	2.11	1.97	1.86	1.75	1.65	1.56	1.47	1.40	1.32	1.26	1.20
	292.01	SGU L/200	8.93	7.94	7.15	6.50	5.89	5.27	4.74	4.29	3.91	3.57	3.28	3.02	2.80	2.59	2.41	2.25	2.11	1.97	1.86	1.75	1.65	1.48	1.34	1.22	1.11	1.01	0.92
		SGU L/300	8.93	7.94	7.15	6.50	5.89	5.27	4.74	4.29	3.91	3.57	3.28	3.02	2.80	2.59	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	11.05	9.82	8.84	7.92	7.01	6.26	5.62	5.08	4.62	4.22	3.87	3.56	3.29	3.05	2.84	2.64	2.47	2.31	2.17	2.04	1.93	1.82	1.72	1.63	1.55	1.47	1.40
	316.29	SGU L/150	11.05	9.82	8.84	7.92	7.01	6.26	5.62	5.08	4.62	4.22	3.87	3.56	3.29	3.05	2.84	2.64	2.47	2.31	2.17	2.04	1.93	1.82	1.72	1.63	1.55	1.47	1.35
	321.21	SGU L/200	11.05	9.82	8.84	7.92	7.01	6.26	5.62	5.08	4.62	4.22	3.87	3.56	3.29	3.05	2.84	2.64	2.47	2.31	2.17	2.03	1.82	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	11.05	9.82	8.84	7.92	7.01	6.26	5.62	5.08	4.62	4.22	3.87	3.56	3.29	2.87	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	14.33	12.74	11.15	9.75	8.61	7.67	6.88	6.21	5.64	5.14	4.71	4.33	4.00	3.70	3.44	3.20	2.99	2.80	2.63	2.47	2.33	2.19	2.07	1.96	1.86	1.77	1.68
	360.18	SGU L/150	14.33	12.74	11.15	9.75	8.61	7.67	6.88	6.21	5.64	5.14	4.71	4.33	4.00	3.70	3.44	3.20	2.99	2.80	2.63	2.47	2.33	2.19	2.07	1.96	1.84	1.68	1.54
	365.01	SGU L/200	14.33	12.74	11.15	9.75	8.61	7.67	6.88	6.21	5.64	5.14	4.71	4.33	4.00	3.70	3.44	3.20	2.99	2.80	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	14.33	12.74	11.15	9.75	8.61	7.67	6.88	6.21	5.64	5.14	4.71	4.33	3.78	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	18.99	16.18	13.96	12.18	10.74	9.54	8.55	7.70	6.98	6.36	5.82	5.35	4.93	4.56	4.23	3.94	3.67	3.44	3.22	3.03	2.85	2.68	2.54	2.40	2.27	2.16	2.05
	416.46	SGU L/150	18.99	16.18	13.96	12.18	10.74	9.54	8.55	7.70	6.98	6.36	5.82	5.35	4.93	4.56	4.23	3.94	3.67	3.44	3.22	3.03	2.85	2.68	2.54	2.33	2.12	1.93	1.77
	419.75	SGU L/200	18.99	16.18	13.96	12.18	10.74	9.54	8.55	7.70	6.98	6.36	5.82	5.35	4.93	4.56	4.23	3.94	3.67	3.33	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	18.99	16.18	13.96	12.18	10.74	9.54	8.55	7.70	6.98	6.36	5.82	5.06	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	21.78	18.49	15.93	13.88	12.22	10.86	9.71	8.75	7.92	7.21	6.59	6.05	5.58	5.16	4.78	4.45	4.15	3.88	3.63	3.41	3.21	3.02	2.86	2.70	2.56	2.43	2.31
	454.28	SGU L/150	21.78	18.49	15.93	13.88	12.22	10.86	9.71	8.75	7.92	7.21	6.59	6.05	5.58	5.16	4.78	4.45	4.15	3.88	3.63	3.41	3.21	3.02	2.80	2.53	2.30	2.10	1.92
	456.26	SGU L/200	21.78	18.49	15.93	13.88	12.22	10.86	9.71	8.75	7.92	7.21	6.59	6.05	5.58	5.16	4.78	4.45	4.10	3.62	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	21.78	18.49	15.93	13.88	12.22	10.86	9.71	8.75	7.92	7.21	6.47	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	29.12	24.64	21.17	18.40	16.16	14.32	12.79	11.50	10.39	9.45	8.62	7.90	7.27	6.71	6.21	5.77	5.38	5.02	4.70	4.41	4.14	3.90	3.68	3.48	3.29	3.12	2.96
	546.65	SGU L/150	29.12	24.64	21.17	18.40	16.16	14.32	12.79	11.50	10.39	9.45	8.62	7.90	7.27	6.71	6.21	5.77	5.38	5.02	4.70	4.41	4.13	3.72	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	29.12	24.64	21.17	18.40	16.16	14.32	12.79	11.50	10.39	9.45	8.62	7.90	7.27	6.71	6.21	5.59	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	29.12	24.64	21.17	18.40	16.16	14.32	12.79	11.50	10.39	9.22	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
Number of spans: 3			**support: 60 - 120 - 120 - 60**																										
Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.75	1.67	1.59	1.53	1.46	1.40	1.34	1.27	1.20	1.14	1.08	1.02	0.97	0.93	0.88
	207.70	SGU L/150	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.75	1.67	1.59	1.53	1.46	1.40	1.34	1.27	1.20	1.14	1.03	0.94	0.86	0.78	0.72
	218.80	SGU L/200	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.75	1.67	1.59	1.53	1.46	1.34	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
		SGU L/300	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.73	1.51	1.32	1.16	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.13	2.00	1.88	1.77	1.67	1.57	1.49	1.41	1.34	1.27	1.21	1.16
	247.55	SGU L/150	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.13	2.00	1.88	1.77	1.66	1.49	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.02	1.78	1.58	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.39	2.06	1.79	1.56	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.21	3.04	2.89	2.75	2.58	2.41	2.25	2.12	1.99	1.88	1.77	1.68	1.59	1.51	1.43	1.36	1.30
	266.46	SGU L/150	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.21	3.04	2.89	2.75	2.58	2.41	2.25	2.12	1.99	1.79	1.61	1.45	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.21	3.04	2.89	2.75	2.48	2.17	1.92	1.70	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.02	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.94	3.72	3.53	3.34	3.10	2.89	2.70	2.53	2.37	2.23	2.10	1.98	1.87	1.78	1.68	1.60	1.52	1.45
	286.18	SGU L/150	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.94	3.72	3.53	3.34	3.10	2.89	2.70	2.53	2.37	2.14	1.91	1.72	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.94	3.72	3.53	3.34	3.04	2.65	2.33	2.05	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.82	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.25	3.94	3.65	3.40	3.17	2.97	2.78	2.62	2.46	2.32	2.20	2.08	1.97	1.87	1.78	1.69
	316.29	SGU L/150	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.25	3.94	3.65	3.40	3.17	2.97	2.65	2.37	2.11	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.25	3.88	3.37	2.93	2.57	2.26	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.06	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.14	5.63	5.19	4.79	4.44	4.13	3.85	3.60	3.37	3.17	2.98	2.81	2.65	2.51	2.38	2.26	2.14	2.04
	360.18	SGU L/150	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.14	5.63	5.19	4.79	4.44	4.13	3.85	3.42	3.03	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.14	5.63	5.17	4.44	3.84	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.00	5.79	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.19	8.34	7.61	6.97	6.41	5.92	5.48	5.09	4.74	4.43	4.15	3.89	3.66	3.45	3.25	3.07	2.91	2.76	2.62	2.49
	416.46	SGU L/150	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.19	8.34	7.61	6.97	6.41	5.92	5.48	5.09	4.48	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.19	8.34	7.61	6.97	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.80	15.82	14.24	12.95	11.87	10.95	9.93	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	21.02	18.69	16.82	15.29	14.02	12.92	11.58	10.44	9.47	8.63	7.91	7.27	6.71	6.21	5.76	5.36	5.01	4.68	4.39	4.13	3.89	3.67	3.46	3.28	3.11	2.95	2.80
	454.28	SGU L/150	21.02	18.69	16.82	15.29	14.02	12.92	11.58	10.44	9.47	8.63	7.91	7.27	6.71	6.21	5.58	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	21.02	18.69	16.82	15.29	14.02	12.92	11.58	10.44	9.47	8.63	7.63	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	21.02	18.69	16.82	15.29	14.02	12.92	10.82	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	30.17	26.81	24.13	21.87	19.25	17.09	15.29	13.76	12.46	11.34	10.37	9.51	8.76	8.10	7.51	6.98	6.51	6.08	5.70	5.35	5.03	4.74	4.48	4.23	4.01	3.80	3.61
	546.65	SGU L/150	30.17	26.81	24.13	21.87	19.25	17.09	15.29	13.76	12.46	11.34	10.37	9.51	8.76	7.69	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	30.17	26.81	24.13	21.87	19.25	17.09	15.29	13.76	12.46	10.88	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	30.17	26.81	24.13	21.87	19.25	16.21	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91



T130

S350 GD



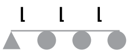
T130-v2 **Positive**

Number of spans: **1 support: 60 - 60**

Thickness	Jx [cm4]	*Case*	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.35	1.29	1.24	1.19	1.14	1.10	1.06	1.03	0.99	0.96	0.93	0.90	0.88
	198.48	SGU L/150	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.50	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.33	1.29	1.25	1.20
	237.12	SGU L/150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.04	1.79	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.13	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.38	2.27	2.17	2.07	1.99	1.91	1.83	1.77	1.70	1.64	1.59	1.54	1.49	1.41	1.33
	258.44	SGU L/150	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.71	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.96	5.30	4.77	4.34	3.97	3.67	3.25	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.48	2.37	2.27	2.18	2.10	2.02	1.95	1.88	1.82	1.75	1.64	1.54	1.45
	277.23	SGU L/150	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.78	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	2.95	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.81	6.06	5.45	4.96	4.54	4.19	3.53	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.49	3.32	3.16	3.01	2.88	2.76	2.65	2.55	2.46	2.37	2.28	2.13	1.99	1.87	1.76	1.66
	309.33	SGU L/150	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.65	3.14	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	3.93	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	8.29	7.37	6.63	6.03	5.53	4.88	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.06	4.78	4.53	4.30	4.10	3.91	3.74	3.58	3.44	3.31	3.08	2.86	2.67	2.49	2.34	2.19	2.06	1.94
	355.42	SGU L/150	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	4.98	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.47	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.75	9.56	8.60	7.82	7.08	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.12	6.70	6.33	6.00	5.70	5.42	5.18	4.95	4.63	4.26	3.94	3.66	3.40	3.17	2.96	2.77	2.60	2.45	2.31
	412.53	SGU L/150	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	6.93	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	14.24	12.66	11.39	10.36	9.49	8.76	7.78	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	14.24	12.66	11.39	10.36	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	8.41	7.91	7.47	7.08	6.73	6.41	6.10	5.58	5.13	4.72	4.37	4.05	3.77	3.51	3.28	3.07	2.88	2.71	2.55
	452.02	SGU L/150	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	7.62	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.82	14.95	13.45	12.23	11.21	10.35	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.82	14.95	13.45	11.69	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	24.13	21.45	19.31	17.55	16.09	14.85	13.79	12.87	12.07	11.36	10.73	10.16	9.21	8.35	7.61	6.96	6.40	5.89	5.45	5.05	4.70	4.38	4.09	3.83	3.60	3.38	3.19
	545.22	SGU L/150	24.13	21.45	19.31	17.55	16.09	14.85	13.67	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	24.13	21.45	19.31	17.55	16.09	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	24.13	21.45	18.77	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

Number of spans: 2 **support: 60 - 160 - 60**

Thickness	Jx [cm4]	*Case*	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	4.96	4.41	3.97	3.61	3.31	3.05	2.83	2.64	2.48	2.33	2.17	2.00	1.85	1.72	1.60	1.49	1.40	1.31	1.23	1.16	1.09	1.03	0.98	0.93	0.88	0.84	0.80
	198.48	SGU L/150	4.96	4.41	3.97	3.61	3.31	3.05	2.83	2.64	2.48	2.33	2.17	2.00	1.85	1.72	1.60	1.49	1.40	1.31	1.23	1.16	1.09	1.03	0.98	0.93	0.88	0.84	0.80
	219.01	SGU L/200	4.96	4.41	3.97	3.61	3.31	3.05	2.83	2.64	2.48	2.33	2.17	2.00	1.85	1.72	1.60	1.49	1.40	1.31	1.23	1.16	1.09	1.03	0.98	0.90	0.82	0.75	0.69
		SGU L/300	4.96	4.41	3.97	3.61	3.31	3.05	2.83	2.64	2.48	2.33	2.17	2.00	1.85	1.72	1.60	1.47	1.30	1.16	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.88	6.12	5.50	5.00	4.59	4.23	3.93	3.67	3.35	3.07	2.81	2.59	2.39	2.22	2.06	1.92	1.80	1.69	1.58	1.49	1.40	1.33	1.25	1.19	1.13	1.07	1.02
	237.12	SGU L/150	6.88	6.12	5.50	5.00	4.59	4.23	3.93	3.67	3.35	3.07	2.81	2.59	2.39	2.22	2.06	1.92	1.80	1.69	1.58	1.49	1.40	1.33	1.25	1.19	1.13	1.07	1.02
	255.51	SGU L/200	6.88	6.12	5.50	5.00	4.59	4.23	3.93	3.67	3.35	3.07	2.81	2.59	2.39	2.22	2.06	1.92	1.80	1.69	1.58	1.49	1.40	1.30	1.17	1.06	0.97	0.88	0.81
		SGU L/300	6.88	6.12	5.50	5.00	4.59	4.23	3.93	3.67	3.35	3.07	2.81	2.59	2.39	2.22	1.98	1.74	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.95	7.06	6.36	5.78	5.30	4.89	4.54	4.14	3.76	3.43	3.15	2.90	2.68	2.48	2.30	2.15	2.01	1.88	1.76	1.66	1.56	1.48	1.40	1.32	1.25	1.19	1.13
	258.44	SGU L/150	7.95	7.06	6.36	5.78	5.30	4.89	4.54	4.14	3.76	3.43	3.15	2.90	2.68	2.48	2.30	2.15	2.01	1.88	1.76	1.66	1.56	1.48	1.40	1.32	1.25	1.19	1.13
	273.76	SGU L/200	7.95	7.06	6.36	5.78	5.30	4.89	4.54	4.14	3.76	3.43	3.15	2.90	2.68	2.48	2.30	2.15	2.01	1.88	1.76	1.66	1.54	1.39	1.26	1.14	1.04	0.95	0.86
		SGU L/300	7.95	7.06	6.36	5.78	5.30	4.89	4.54	4.14	3.76	3.43	3.15	2.90	2.68	2.44	2.13	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	9.09	8.08	7.27	6.61	6.06	5.59	5.08	4.59	4.17	3.80	3.49	3.21	2.96	2.74	2.55	2.37	2.22	2.08	1.95	1.83	1.72	1.63	1.54	1.46	1.38	1.31	1.25
	277.23	SGU L/150	9.09	8.08	7.27	6.61	6.06	5.59	5.08	4.59	4.17	3.80	3.49	3.21	2.96	2.74	2.55	2.37	2.22	2.08	1.95	1.83	1.72	1.63	1.54	1.46	1.38	1.31	1.23
	292.01	SGU L/200	9.09	8.08	7.27	6.61	6.06	5.59	5.08	4.59	4.17	3.80	3.49	3.21	2.96	2.74	2.55	2.37	2.22	2.08	1.95	1.83	1.65	1.49	1.34	1.22	1.11	1.01	0.92
		SGU L/300	9.09	8.08	7.27	6.61	6.06	5.59	5.08	4.59	4.17	3.80	3.49	3.21	2.96	2.61	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	11.05	9.82	8.84	8.04	7.37	6.60	5.92	5.34	4.85	4.42	4.05	3.72	3.43	3.18	2.95	2.74	2.56	2.40	2.25	2.11	1.99	1.88	1.77	1.68	1.59	1.51	1.44
	309.33	SGU L/150	11.05	9.82	8.84	8.04	7.37	6.60	5.92	5.34	4.85	4.42	4.05	3.72	3.43	3.18	2.95	2.74	2.56	2.40	2.25	2.11	1.99	1.88	1.77	1.68	1.59	1.48	1.35
	321.21	SGU L/200	11.05	9.82	8.84	8.04	7.37	6.60	5.92	5.34	4.85	4.42	4.05	3.72	3.43	3.18	2.95	2.74	2.56	2.40	2.25	2.03	1.82	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	11.05	9.82	8.84	8.04	7.37	6.60	5.92	5.34	4.85	4.42	4.05	3.72	3.32	2.87	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	14.33	12.74	11.47	10.33	9.10	8.09	7.24	6.52	5.91	5.38	4.92	4.52	4.17	3.85	3.57	3.32	3.10	2.90	2.72	2.55	2.40	2.26	2.14	2.02	1.92	1.82	1.73
	355.42	SGU L/150	14.33	12.74	11.47	10.33	9.10	8.09	7.24	6.52	5.91	5.38	4.92	4.52	4.17	3.85	3.57	3.32	3.10	2.90	2.72	2.55	2.40	2.26	2.14	2.02	1.84	1.68	1.54
	365.01	SGU L/200	14.33	12.74	11.47	10.33	9.10	8.09	7.24	6.52	5.91	5.38	4.92	4.52	4.17	3.85	3.57	3.32	3.10	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	14.33	12.74	11.47	10.33	9.10	8.09	7.24	6.52	5.91	5.38	4.92	4.40	3.78	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	18.99	16.88	14.80	12.88	11.33	10.05	8.98	8.08	7.31	6.65	6.08	5.58	5.13	4.74	4.39	4.08	3.81	3.56	3.33	3.13	2.94	2.77	2.61	2.47	2.34	2.22	2.11
	412.53	SGU L/150	18.99	16.88	14.80	12.88	11.33	10.05	8.98	8.08	7.31	6.65	6.08	5.58	5.13	4.74	4.39	4.08	3.81	3.56	3.33	3.13	2.94	2.77	2.57	2.33	2.12	1.93	1.77
	419.75	SGU L/200	18.99	16.88	14.80	12.88	11.33	10.05	8.98	8.08	7.31	6.65	6.08	5.58	5.13	4.74	4.39	4.08	3.77	3.33	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	18.99	16.88	14.80	12.88	11.33	10.05	8.98	8.08	7.31	6.65	5.96	5.06	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	22.42	19.63	16.86	14.66	12.88	11.42	10.19	9.16	8.29	7.53	6.88	6.31	5.80	5.36	4.96	4.61	4.29	4.01	3.75	3.52	3.31	3.12	2.94	2.78	2.63	2.49	2.37
	452.02	SGU L/150	22.42	19.63	16.86	14.66	12.88	11.42	10.19	9.16	8.29	7.53	6.88	6.31	5.80	5.36	4.96	4.61	4.29	4.01	3.75	3.52	3.31	3.10	2.80	2.53	2.30	2.10	1.92
	456.26	SGU L/200	22.42	19.63	16.86	14.66	12.88	11.42	10.19	9.16	8.29	7.53	6.88	6.31	5.80	5.36	4.96	4.61	4.10	3.62	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	22.42	19.63	16.86	14.66	12.88	11.42	10.19	9.16	8.29	7.53	6.47	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	30.91	26.08	22.34	19.38	16.99	15.02	13.39	12.02	10.85	9.84	8.98	8.22	7.56	6.97	6.45	5.98	5.57	5.20	4.86	4.55	4.28	4.03	3.80	3.58	3.39	3.21	3.05
	545.22	SGU L/150	30.91	26.08	22.34	19.38	16.99	15.02	13.39	12.02	10.85	9.84	8.98	8.22	7.56	6.97	6.45	5.98	5.57	5.20	4.86	4.55	4.13	3.72	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	30.91	26.08	22.34	19.38	16.99	15.02	13.39	12.02	10.85	9.84	8.98	8.22	7.56	6.97	6.38	5.59	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	30.91	26.08	22.34	19.38	16.99	15.02	13.39	12.02	10.85	9.22	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15



Number of spans: 3 **support: 60 - 160 - 160 - 60**

Thickness	Jx [cm4]	*Case*	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.96	1.86	1.77	1.69	1.62	1.55	1.49	1.43	1.38	1.31	1.24	1.18	1.12	1.06	1.01	0.96
	198.48	SGU L/150	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.96	1.86	1.77	1.69	1.62	1.55	1.49	1.43	1.36	1.23	1.11	1.01	0.92	0.84	0.77	0.71
	219.01	SGU L/200	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.96	1.86	1.77	1.69	1.62	1.46	1.32	1.18	1.06	0.95	0.86	0.78	0.71	0.65	0.59	0.54
		SGU L/300	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.95	1.69	1.49	1.31	1.15	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.87	2.72	2.58	2.46	2.35	2.24	2.15	2.03	1.90	1.79	1.69	1.60	1.51	1.44	1.36	1.30	1.23
	237.12	SGU L/150	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.87	2.72	2.58	2.46	2.35	2.24	2.15	2.03	1.82	1.64	1.48	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.87	2.72	2.58	2.46	2.25	2.00	1.78	1.58	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.74	2.39	2.06	1.79	1.56	1.37	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.31	3.14	2.98	2.84	2.71	2.58	2.41	2.26	2.12	2.00	1.89	1.78	1.69	1.60	1.52	1.44	1.37
	258.44	SGU L/150	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.31	3.14	2.98	2.84	2.71	2.58	2.41	2.21	1.99	1.78	1.60	1.45	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.31	3.14	2.98	2.80	2.47	2.17	1.92	1.70	1.51	1.35	1.22	1.10	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.01	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	4.01	3.79	3.59	3.41	3.25	3.06	2.85	2.67	2.50	2.35	2.21	2.08	1.97	1.86	1.76	1.67	1.59	1.51
	277.23	SGU L/150	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	4.01	3.79	3.59	3.41	3.25	3.06	2.85	2.67	2.39	2.13	1.91	1.72	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	4.01	3.79	3.59	3.41	3.03	2.64	2.33	2.05	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	3.81	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.36	4.12	3.81	3.54	3.30	3.09	2.89	2.71	2.55	2.40	2.27	2.15	2.03	1.93	1.83	1.74
	309.33	SGU L/150	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.36	4.12	3.81	3.54	3.30	2.98	2.65	2.36	2.12	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.36	3.86	3.35	2.93	2.57	2.27	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.02	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.32	5.90	5.43	5.01	4.64	4.30	4.01	3.74	3.50	3.28	3.09	2.91	2.74	2.59	2.45	2.33	2.21	2.10
	355.42	SGU L/150	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.32	5.90	5.43	5.01	4.64	4.30	3.87	3.42	3.03	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.32	5.90	5.15	4.44	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	13.44	11.95	10.75	9.77	8.96	8.27	7.68	6.97	5.80	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.49	8.76	7.97	7.30	6.70	6.18	5.72	5.30	4.93	4.60	4.30	4.03	3.79	3.56	3.36	3.17	3.00	2.85	2.70	2.57
	412.53	SGU L/150	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.49	8.76	7.97	7.30	6.70	6.18	5.72	5.11	4.49	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.49	8.76	7.97	7.00	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.80	15.82	14.24	12.95	11.87	10.95	9.92	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	21.02	18.69	16.82	15.29	14.02	12.94	12.01	10.97	9.93	9.04	8.27	7.59	6.99	6.46	5.99	5.57	5.20	4.86	4.55	4.27	4.02	3.79	3.58	3.38	3.20	3.04	2.89
	452.02	SGU L/150	21.02	18.69	16.82	15.29	14.02	12.94	12.01	10.97	9.93	9.04	8.27	7.59	6.99	6.40	5.58	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	21.02	18.69	16.82	15.29	14.02	12.94	12.01	10.97	9.93	9.04	7.64	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	21.02	18.69	16.82	15.29	14.02	12.94	10.82	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	30.17	26.81	24.13	21.94	20.11	17.97	16.04	14.42	13.04	11.85	10.82	9.92	9.13	8.43	7.81	7.25	6.75	6.31	5.90	5.54	5.20	4.90	4.62	4.37	4.14	3.92	3.72
	545.22	SGU L/150	30.17	26.81	24.13	21.94	20.11	17.97	16.04	14.42	13.04	11.85	10.82	9.92	8.91	7.69	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	30.17	26.81	24.13	21.94	20.11	17.97	16.04	14.42	13.04	10.88	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	30.17	26.81	24.13	21.94	20.11	16.21	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S350 GD

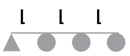
T130-v2 **Negative**

Number of spans: 1 **support: 60 - 60**

Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.34	1.28	1.22	1.17	1.12	1.08	1.04	1.00	0.97	0.94	0.91	0.88	0.85	0.83
	207.70	SGU L/150	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.34	1.28	1.17	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	218.80	SGU L/200	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.34	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.74	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.20	1.16
	247.55	SGU L/150	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.84	1.61	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	1.88	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.53	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.31	2.20	2.10	2.01	1.92	1.85	1.78	1.71	1.65	1.59	1.54	1.49	1.44	1.40	1.33
	266.46	SGU L/150	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.29	1.99	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.37	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.77	5.13	4.62	4.20	3.85	3.55	3.30	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.68	2.55	2.44	2.33	2.23	2.14	2.06	1.98	1.91	1.85	1.79	1.73	1.64	1.54	1.45
	286.18	SGU L/150	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.47	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.01	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.70	5.95	5.36	4.87	4.47	4.12	3.60	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.49	3.32	3.16	3.01	2.88	2.76	2.65	2.55	2.46	2.37	2.25	2.10	1.97	1.85	1.74	1.64
	316.29	SGU L/150	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.18	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	3.98	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	8.29	7.37	6.63	6.03	5.53	4.94	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.06	4.78	4.53	4.30	4.10	3.91	3.74	3.58	3.44	3.29	3.05	2.84	2.65	2.47	2.32	2.17	2.04	1.93
	360.18	SGU L/150	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.04	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.51	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.75	9.56	8.60	7.82	7.17	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.12	6.70	6.33	6.00	5.70	5.42	5.18	4.95	4.61	4.25	3.93	3.64	3.39	3.16	2.95	2.76	2.59	2.44	2.30
	416.46	SGU L/150	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.00	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	14.24	12.66	11.39	10.36	9.49	8.76	7.84	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	14.24	12.66	11.39	10.36	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	8.41	7.91	7.47	7.08	6.73	6.41	6.09	5.57	5.11	4.71	4.36	4.04	3.76	3.50	3.27	3.06	2.88	2.70	2.55
	454.28	SGU L/150	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	7.64	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.82	14.95	13.45	12.23	11.21	10.35	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.82	14.95	13.45	11.74	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	24.13	21.45	19.31	17.55	16.09	14.85	13.79	12.87	12.07	11.36	10.73	10.16	9.24	8.38	7.63	6.98	6.41	5.91	5.47	5.07	4.71	4.39	4.10	3.84	3.61	3.39	3.20
	546.65	SGU L/150	24.13	21.45	19.31	17.55	16.09	14.85	13.71	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	24.13	21.45	19.31	17.55	16.09	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	24.13	21.45	18.81	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

Number of spans: 2 **support: 60 - 160 - 60**

Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.49	2.34	2.20	2.08	1.92	1.77	1.65	1.53	1.43	1.34	1.26	1.18	1.11	1.05	0.99	0.94	0.89	0.85	0.81	0.77
	207.70	SGU L/150	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.49	2.34	2.20	2.08	1.92	1.77	1.65	1.53	1.43	1.34	1.26	1.18	1.11	1.05	0.99	0.94	0.89	0.85	0.81	0.77
	218.80	SGU L/200	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.49	2.34	2.20	2.08	1.92	1.77	1.65	1.53	1.43	1.34	1.26	1.18	1.11	1.05	0.99	0.94	0.89	0.82	0.75	0.69
		SGU L/300	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.49	2.34	2.20	2.08	1.92	1.77	1.65	1.53	1.43	1.30	1.15	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.51	3.26	2.98	2.74	2.52	2.33	2.16	2.01	1.88	1.76	1.65	1.55	1.45	1.37	1.30	1.23	1.16	1.10	1.05	1.00
	247.55	SGU L/150	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.51	3.26	2.98	2.74	2.52	2.33	2.16	2.01	1.88	1.76	1.65	1.55	1.45	1.37	1.30	1.23	1.16	1.10	1.05	1.00
	255.51	SGU L/200	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.51	3.26	2.98	2.74	2.52	2.33	2.16	2.01	1.88	1.76	1.65	1.55	1.45	1.37	1.29	1.17	1.06	0.97	0.88	0.81
		SGU L/300	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.51	3.26	2.98	2.74	2.52	2.33	2.16	1.98	1.73	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.69	6.84	6.16	5.60	5.13	4.74	4.40	4.05	3.68	3.37	3.09	2.85	2.63	2.44	2.27	2.11	1.97	1.85	1.74	1.63	1.54	1.45	1.38	1.30	1.24	1.17	1.12
	266.46	SGU L/150	7.69	6.84	6.16	5.60	5.13	4.74	4.40	4.05	3.68	3.37	3.09	2.85	2.63	2.44	2.27	2.11	1.97	1.85	1.74	1.63	1.54	1.45	1.38	1.30	1.24	1.17	1.12
	273.76	SGU L/200	7.69	6.84	6.16	5.60	5.13	4.74	4.40	4.05	3.68	3.37	3.09	2.85	2.63	2.44	2.27	2.11	1.97	1.85	1.74	1.63	1.54	1.39	1.26	1.14	1.04	0.95	0.86
		SGU L/300	7.69	6.84	6.16	5.60	5.13	4.74	4.40	4.05	3.68	3.37	3.09	2.85	2.63	2.44	2.13	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.93	7.94	7.15	6.50	5.95	5.50	5.04	4.55	4.14	3.78	3.46	3.19	2.94	2.73	2.53	2.36	2.21	2.07	1.94	1.82	1.72	1.62	1.53	1.45	1.38	1.31	1.24
	286.18	SGU L/150	8.93	7.94	7.15	6.50	5.95	5.50	5.04	4.55	4.14	3.78	3.46	3.19	2.94	2.73	2.53	2.36	2.21	2.07	1.94	1.82	1.72	1.62	1.53	1.45	1.38	1.31	1.23
	292.01	SGU L/200	8.93	7.94	7.15	6.50	5.95	5.50	5.04	4.55	4.14	3.78	3.46	3.19	2.94	2.73	2.53	2.36	2.21	2.07	1.94	1.82	1.65	1.49	1.34	1.22	1.11	1.01	0.92
		SGU L/300	8.93	7.94	7.15	6.50	5.95	5.50	5.04	4.55	4.14	3.78	3.46	3.19	2.94	2.61	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	11.05	9.82	8.84	8.04	7.37	6.65	5.96	5.38	4.88	4.45	4.07	3.75	3.46	3.20	2.97	2.77	2.58	2.42	2.27	2.13	2.01	1.89	1.79	1.69	1.60	1.52	1.45
	316.29	SGU L/150	11.05	9.82	8.84	8.04	7.37	6.65	5.96	5.38	4.88	4.45	4.07	3.75	3.46	3.20	2.97	2.77	2.58	2.42	2.27	2.13	2.01	1.89	1.79	1.69	1.60	1.48	1.35
	321.21	SGU L/200	11.05	9.82	8.84	8.04	7.37	6.65	5.96	5.38	4.88	4.45	4.07	3.75	3.46	3.20	2.97	2.77	2.58	2.42	2.27	2.03	1.82	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	11.05	9.82	8.84	8.04	7.37	6.65	5.96	5.38	4.88	4.45	4.07	3.75	3.32	2.87	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	14.33	12.74	11.47	10.38	9.14	8.12	7.27	6.55	5.94	5.41	4.95	4.54	4.19	3.87	3.59	3.34	3.12	2.91	2.73	2.57	2.41	2.28	2.15	2.03	1.93	1.83	1.74
	360.18	SGU L/150	14.33	12.74	11.47	10.38	9.14	8.12	7.27	6.55	5.94	5.41	4.95	4.54	4.19	3.87	3.59	3.34	3.12	2.91	2.73	2.57	2.41	2.28	2.15	2.03	1.84	1.68	1.54
	365.01	SGU L/200	14.33	12.74	11.47	10.38	9.14	8.12	7.27	6.55	5.94	5.41	4.95	4.54	4.19	3.87	3.59	3.34	3.12	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	14.33	12.74	11.47	10.38	9.14	8.12	7.27	6.55	5.94	5.41	4.95	4.40	3.78	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	18.99	16.88	14.84	12.92	11.36	10.08	9.01	8.10	7.33	6.67	6.09	5.59	5.15	4.75	4.41	4.10	3.82	3.57	3.34	3.13	2.95	2.78	2.62	2.48	2.35	2.23	2.11
	416.46	SGU L/150	18.99	16.88	14.84	12.92	11.36	10.08	9.01	8.10	7.33	6.67	6.09	5.59	5.15	4.75	4.41	4.10	3.82	3.57	3.34	3.13	2.95	2.78	2.57	2.33	2.12	1.93	1.77
	419.75	SGU L/200	18.99	16.88	14.84	12.92	11.36	10.08	9.01	8.10	7.33	6.67	6.09	5.59	5.15	4.75	4.41	4.10	3.77	3.33	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	18.99	16.88	14.84	12.92	11.36	10.08	9.01	8.10	7.33	6.67	5.96	5.06	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	22.42	19.68	16.90	14.70	12.91	11.44	10.21	9.18	8.30	7.55	6.89	6.32	5.81	5.37	4.97	4.62	4.30	4.02	3.76	3.53	3.32	3.12	2.95	2.78	2.64	2.50	2.37
	454.28	SGU L/150	22.42	19.68	16.90	14.70	12.91	11.44	10.21	9.18	8.30	7.55	6.89	6.32	5.81	5.37	4.97	4.62	4.30	4.02	3.76	3.53	3.32	3.10	2.80	2.53	2.30	2.10	1.92
	456.26	SGU L/200	22.42	19.68	16.90	14.70	12.91	11.44	10.21	9.18	8.30	7.55	6.89	6.32	5.81	5.37	4.97	4.62	4.10	3.62	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	22.42	19.68	16.90	14.70	12.91	11.44	10.21	9.18	8.30	7.55	6.47	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	30.94	26.11	22.37	19.40	17.00	15.03	13.40	12.02	10.85	9.85	8.98	8.21	7.54	6.96	6.44	5.97	5.56	5.19	4.85	4.55	4.27	4.02	3.79	3.58	3.38	3.21	3.04
	546.65	SGU L/150	30.94	26.11	22.37	19.40	17.00	15.03	13.40	12.02	10.85	9.85	8.98	8.21	7.54	6.96	6.44	5.97	5.56	5.19	4.85	4.55	4.13	3.72	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	30.94	26.11	22.37	19.40	17.00	15.03	13.40	12.02	10.85	9.85	8.98	8.21	7.54	6.96	6.38	5.59	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	30.94	26.11	22.37	19.40	17.00	15.03	13.40	12.02	10.85	9.22	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15

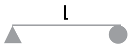


Number of spans: 3 **support: 60 - 160 - 160 - 60**

Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.75	1.67	1.59	1.53	1.46	1.40	1.35	1.30	1.25	1.20	1.13	1.07	1.02	0.97	0.93
	207.70	SGU L/150	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.75	1.67	1.59	1.53	1.46	1.40	1.35	1.30	1.25	1.14	1.04	0.94	0.86	0.78	0.72
	218.80	SGU L/200	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.75	1.67	1.59	1.53	1.46	1.34	1.20	1.07	0.96	0.87	0.79	0.71	0.65	0.59	0.54
		SGU L/300	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.73	1.51	1.32	1.16	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.15	2.06	1.97	1.86	1.75	1.65	1.56	1.48	1.40	1.33	1.27	1.21
	247.55	SGU L/150	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.15	2.06	1.97	1.86	1.66	1.50	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.02	1.79	1.59	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.39	2.06	1.79	1.56	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.21	3.04	2.89	2.75	2.62	2.51	2.37	2.22	2.09	1.97	1.86	1.75	1.66	1.57	1.49	1.42	1.35
	266.46	SGU L/150	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.21	3.04	2.89	2.75	2.62	2.51	2.37	2.22	2.00	1.79	1.61	1.45	1.31	1.19	1.08	0.99	0.90
	273.76	SGU L/200	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.21	3.04	2.89	2.75	2.48	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.02	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.94	3.72	3.53	3.35	3.19	3.04	2.84	2.65	2.49	2.34	2.20	2.07	1.96	1.85	1.76	1.67	1.58	1.51
	286.18	SGU L/150	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.94	3.72	3.53	3.35	3.19	3.04	2.84	2.65	2.40	2.14	1.92	1.72	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.94	3.72	3.53	3.35	3.05	2.66	2.33	2.05	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.82	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.36	4.14	3.84	3.57	3.33	3.11	2.91	2.73	2.57	2.42	2.29	2.16	2.05	1.94	1.85	1.76
	316.29	SGU L/150	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.36	4.14	3.84	3.57	3.33	3.00	2.66	2.37	2.12	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.36	3.89	3.37	2.94	2.57	2.27	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.06	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.32	5.93	5.45	5.03	4.66	4.33	4.03	3.76	3.52	3.30	3.10	2.92	2.76	2.61	2.47	2.34	2.22	2.11
	360.18	SGU L/150	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.32	5.93	5.45	5.03	4.66	4.33	3.89	3.43	3.03	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.32	5.93	5.17	4.44	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.00	5.80	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.49	8.78	8.00	7.32	6.72	6.20	5.73	5.32	4.95	4.61	4.32	4.04	3.80	3.57	3.37	3.18	3.01	2.85	2.71	2.57
	416.46	SGU L/150	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.49	8.78	8.00	7.32	6.72	6.20	5.73	5.12	4.49	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.49	8.78	8.00	7.01	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.80	15.82	14.24	12.95	11.87	10.95	9.93	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	21.02	18.69	16.82	15.29	14.02	12.94	12.01	10.99	9.95	9.06	8.28	7.60	7.00	6.47	6.00	5.58	5.21	4.87	4.56	4.28	4.03	3.79	3.58	3.39	3.21	3.04	2.89
	454.28	SGU L/150	21.02	18.69	16.82	15.29	14.02	12.94	12.01	10.99	9.95	9.06	8.28	7.60	7.00	6.41	5.58	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	21.02	18.69	16.82	15.29	14.02	12.94	12.01	10.99	9.95	9.06	7.64	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	21.02	18.69	16.82	15.29	14.02	12.94	10.82	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	30.17	26.81	24.13	21.94	20.11	17.98	16.05	14.43	13.04	11.85	10.82	9.90	9.11	8.41	7.79	7.24	6.74	6.29	5.89	5.53	5.19	4.89	4.61	4.36	4.13	3.91	3.71
	546.65	SGU L/150	30.17	26.81	24.13	21.94	20.11	17.98	16.05	14.43	13.04	11.85	10.82	9.90	8.91	7.69	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	30.17	26.81	24.13	21.94	20.11	17.98	16.05	14.43	13.04	10.88	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	30.17	26.81	24.13	21.94	20.11	16.21	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S350 GD



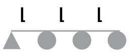
T130-v2 **Positive**

Number of spans: 1 **support: 60 - 60**

Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.35	1.29	1.24	1.19	1.14	1.10	1.06	1.03	0.99	0.96	0.93	0.90	0.88
	198.48	SGU L/150	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	219.01	SGU L/200	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.50	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.33	1.29	1.25	1.20
	237.12	SGU L/150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.04	1.79	1.58	1.40	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.13	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.46	2.07	1.75	1.49	1.27	1.09	0.95	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.38	2.27	2.17	2.07	1.99	1.91	1.83	1.77	1.70	1.64	1.59	1.54	1.49	1.41	1.33
	258.44	SGU L/150	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.71	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.96	5.30	4.77	4.34	3.97	3.67	3.25	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.48	2.37	2.27	2.18	2.10	2.02	1.95	1.88	1.82	1.75	1.64	1.54	1.45
	277.23	SGU L/150	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.78	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	2.95	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.81	6.06	5.45	4.96	4.54	4.19	3.53	2.92	2.42	2.03	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.49	3.32	3.16	3.01	2.88	2.76	2.65	2.55	2.46	2.37	2.28	2.13	1.99	1.87	1.76	1.66
	309.33	SGU L/150	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.65	3.14	2.72	2.36	2.06	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	3.93	3.32	2.81	2.40	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	8.29	7.37	6.63	6.03	5.53	4.88	3.97	3.25	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.06	4.78	4.53	4.30	4.10	3.91	3.74	3.58	3.44	3.31	3.08	2.86	2.67	2.49	2.34	2.19	2.06	1.94
	355.42	SGU L/150	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	4.98	4.26	3.64	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.47	4.56	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.75	9.56	8.60	7.82	7.08	5.66	4.56	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.12	6.70	6.33	6.00	5.70	5.42	5.18	4.95	4.63	4.26	3.94	3.66	3.40	3.17	2.96	2.77	2.60	2.45	2.31
	412.53	SGU L/150	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	6.93	5.85	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	14.24	12.66	11.39	10.36	9.49	8.76	7.78	6.40	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	14.24	12.66	11.39	10.36	8.32	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	8.41	7.91	7.47	7.08	6.73	6.41	6.10	5.58	5.13	4.72	4.37	4.05	3.77	3.51	3.28	3.07	2.88	2.71	2.55
	452.02	SGU L/150	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	7.62	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.82	14.95	13.45	12.23	11.21	10.35	8.56	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.82	14.95	13.45	11.69	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	24.13	21.45	19.31	17.55	16.09	14.85	13.79	12.87	12.07	11.36	10.73	10.16	9.21	8.35	7.61	6.96	6.40	5.89	5.45	5.05	4.70	4.38	4.09	3.83	3.60	3.38	3.19
	545.22	SGU L/150	24.13	21.45	19.31	17.55	16.09	14.85	13.67	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	24.13	21.45	19.31	17.55	16.09	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	24.13	21.45	18.77	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

Number of spans: 2 **support: 60 - 300 - 60**

Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.96	4.41	3.97	3.61	3.31	3.05	2.83	2.64	2.48	2.33	2.20	2.09	1.98	1.89	1.79	1.66	1.55	1.45	1.36	1.28	1.20	1.13	1.07	1.01	0.96	0.91	0.87
	198.48	SGU L/150	4.96	4.41	3.97	3.61	3.31	3.05	2.83	2.64	2.48	2.33	2.20	2.09	1.98	1.89	1.79	1.66	1.55	1.45	1.36	1.28	1.20	1.13	1.07	1.01	0.96	0.91	0.87
	219.01	SGU L/200	4.96	4.41	3.97	3.61	3.31	3.05	2.83	2.64	2.48	2.33	2.20	2.09	1.98	1.89	1.79	1.66	1.55	1.45	1.36	1.28	1.20	1.10	1.00	0.91	0.83	0.76	0.69
		SGU L/300	4.96	4.41	3.97	3.61	3.31	3.05	2.83	2.64	2.48	2.33	2.20	2.09	1.98	1.89	1.68	1.48	1.31	1.16	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.88	6.12	5.50	5.00	4.59	4.23	3.93	3.67	3.44	3.24	3.06	2.90	2.67	2.47	2.29	2.13	1.99	1.86	1.74	1.63	1.54	1.45	1.37	1.29	1.22	1.16	1.10
	237.12	SGU L/150	6.88	6.12	5.50	5.00	4.59	4.23	3.93	3.67	3.44	3.24	3.06	2.90	2.67	2.47	2.29	2.13	1.99	1.86	1.74	1.63	1.54	1.45	1.37	1.29	1.22	1.16	1.07
	255.51	SGU L/200	6.88	6.12	5.50	5.00	4.59	4.23	3.93	3.67	3.44	3.24	3.06	2.90	2.67	2.47	2.29	2.13	1.99	1.86	1.74	1.61	1.44	1.30	1.17	1.06	0.97	0.88	0.81
		SGU L/300	6.88	6.12	5.50	5.00	4.59	4.23	3.93	3.67	3.44	3.24	3.06	2.90	2.63	2.28	1.99	1.74	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.95	7.06	6.36	5.78	5.30	4.89	4.54	4.24	3.97	3.74	3.53	3.24	2.98	2.75	2.55	2.37	2.21	2.06	1.93	1.81	1.71	1.61	1.52	1.43	1.36	1.29	1.22
	258.44	SGU L/150	7.95	7.06	6.36	5.78	5.30	4.89	4.54	4.24	3.97	3.74	3.53	3.24	2.98	2.75	2.55	2.37	2.21	2.06	1.93	1.81	1.71	1.61	1.52	1.43	1.36	1.26	1.15
	273.76	SGU L/200	7.95	7.06	6.36	5.78	5.30	4.89	4.54	4.24	3.97	3.74	3.53	3.24	2.98	2.75	2.55	2.37	2.21	2.06	1.93	1.72	1.55	1.39	1.26	1.14	1.04	0.95	0.86
		SGU L/300	7.95	7.06	6.36	5.78	5.30	4.89	4.54	4.24	3.97	3.74	3.53	3.24	2.83	2.45	2.13	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	9.09	8.08	7.27	6.61	6.06	5.59	5.19	4.85	4.54	4.26	3.89	3.57	3.29	3.03	2.81	2.61	2.43	2.27	2.13	2.00	1.88	1.77	1.67	1.58	1.49	1.41	1.34
	277.23	SGU L/150	9.09	8.08	7.27	6.61	6.06	5.59	5.19	4.85	4.54	4.26	3.89	3.57	3.29	3.03	2.81	2.61	2.43	2.27	2.13	2.00	1.88	1.77	1.67	1.58	1.47	1.34	1.23
	292.01	SGU L/200	9.09	8.08	7.27	6.61	6.06	5.59	5.19	4.85	4.54	4.26	3.89	3.57	3.29	3.03	2.81	2.61	2.43	2.27	2.06	1.84	1.65	1.49	1.34	1.22	1.11	1.01	0.92
		SGU L/300	9.09	8.08	7.27	6.61	6.06	5.59	5.19	4.85	4.54	4.26	3.89	3.52	3.02	2.61	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	11.05	9.82	8.84	8.04	7.37	6.80	6.32	5.89	5.43	4.93	4.50	4.12	3.79	3.50	3.24	3.01	2.80	2.61	2.45	2.29	2.16	2.03	1.91	1.81	1.71	1.62	1.54
	309.33	SGU L/150	11.05	9.82	8.84	8.04	7.37	6.80	6.32	5.89	5.43	4.93	4.50	4.12	3.79	3.50	3.24	3.01	2.80	2.61	2.45	2.29	2.16	2.03	1.91	1.78	1.62	1.48	1.35
	321.21	SGU L/200	11.05	9.82	8.84	8.04	7.37	6.80	6.32	5.89	5.43	4.93	4.50	4.12	3.79	3.50	3.24	3.01	2.80	2.55	2.27	2.03	1.82	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	11.05	9.82	8.84	8.04	7.37	6.80	6.32	5.89	5.43	4.93	4.50	3.88	3.32	2.87	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	14.33	12.74	11.47	10.42	9.56	8.82	8.13	7.29	6.58	5.97	5.44	4.98	4.58	4.22	3.91	3.62	3.37	3.15	2.94	2.76	2.59	2.44	2.30	2.17	2.05	1.94	1.84
	355.42	SGU L/150	14.33	12.74	11.47	10.42	9.56	8.82	8.13	7.29	6.58	5.97	5.44	4.98	4.58	4.22	3.91	3.62	3.37	3.15	2.94	2.76	2.59	2.44	2.24	2.03	1.84	1.68	1.54
	365.01	SGU L/200	14.33	12.74	11.47	10.42	9.56	8.82	8.13	7.29	6.58	5.97	5.44	4.98	4.58	4.22	3.91	3.62	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	14.33	12.74	11.47	10.42	9.56	8.82	8.13	7.29	6.58	5.97	5.18	4.40	3.78	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	18.99	16.88	15.19	13.81	12.66	11.26	10.02	8.97	8.09	7.33	6.68	6.11	5.61	5.16	4.77	4.43	4.12	3.84	3.59	3.36	3.15	2.96	2.79	2.64	2.49	2.36	2.24
	412.53	SGU L/150	18.99	16.88	15.19	13.81	12.66	11.26	10.02	8.97	8.09	7.33	6.68	6.11	5.61	5.16	4.77	4.43	4.12	3.84	3.59	3.36	3.15	2.85	2.57	2.33	2.12	1.93	1.77
	419.75	SGU L/200	18.99	16.88	15.19	13.81	12.66	11.26	10.02	8.97	8.09	7.33	6.68	6.11	5.61	5.16	4.77	4.28	3.77	3.33	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	18.99	16.88	15.19	13.81	12.66	11.26	10.02	8.97	8.09	7.07	5.96	5.06	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	22.42	19.93	17.94	16.31	14.44	12.74	11.33	10.14	9.13	8.27	7.53	6.88	6.31	5.81	5.37	4.98	4.63	4.31	4.03	3.77	3.54	3.33	3.13	2.96	2.80	2.65	2.51
	452.02	SGU L/150	22.42	19.93	17.94	16.31	14.44	12.74	11.33	10.14	9.13	8.27	7.53	6.88	6.31	5.81	5.37	4.98	4.63	4.31	4.03	3.77	3.44	3.10	2.80	2.53	2.30	2.10	1.92
	456.26	SGU L/200	22.42	19.93	17.94	16.31	14.44	12.74	11.33	10.14	9.13	8.27	7.53	6.88	6.31	5.81	5.32	4.65	4.10	3.62	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	22.42	19.93	17.94	16.31	14.44	12.74	11.33	10.14	9.13	7.68	6.47	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	32.18	28.60	25.11	21.66	18.89	16.62	14.75	13.19	11.86	10.73	9.76	8.91	8.17	7.51	6.93	6.42	5.96	5.55	5.18	4.85	4.55	4.27	4.02	3.79	3.58	3.39	3.20
	545.22	SGU L/150	32.18	28.60	25.11	21.66	18.89	16.62	14.75	13.19	11.86	10.73	9.76	8.91	8.17	7.51	6.93	6.42	5.96	5.55	5.16	4.60	4.13	3.72	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	32.18	28.60	25.11	21.66	18.89	16.62	14.75	13.19	11.86	10.73	9.76	8.91	8.17	7.34	6.38	5.59	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	32.18	28.60	25.11	21.66	18.89	16.62	14.75	13.19	11.06	9.22	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15

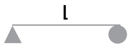


Number of spans: 3 **support: 60 - 300 - 300 -60**

Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.96	1.86	1.77	1.69	1.62	1.55	1.49	1.43	1.38	1.33	1.28	1.24	1.20	1.16	1.11	1.05
	198.48	SGU L/150	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.96	1.86	1.77	1.69	1.62	1.55	1.49	1.43	1.36	1.23	1.12	1.02	0.93	0.85	0.78	0.71
	219.01	SGU L/200	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.96	1.86	1.77	1.69	1.62	1.46	1.32	1.18	1.06	0.96	0.87	0.79	0.71	0.65	0.59	0.54
		SGU L/300	4.65	4.13	3.72	3.38	3.10	2.86	2.66	2.48	2.32	2.19	2.07	1.95	1.69	1.49	1.31	1.15	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.87	2.72	2.58	2.46	2.35	2.24	2.15	2.06	1.98	1.91	1.84	1.76	1.66	1.57	1.49	1.41	1.34
	237.12	SGU L/150	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.87	2.72	2.58	2.46	2.35	2.24	2.15	2.04	1.84	1.67	1.50	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.87	2.72	2.58	2.46	2.25	2.01	1.79	1.59	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	6.45	5.73	5.16	4.69	4.30	3.97	3.69	3.44	3.22	3.04	2.74	2.39	2.06	1.79	1.56	1.37	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.31	3.14	2.98	2.84	2.71	2.59	2.48	2.38	2.29	2.20	2.07	1.95	1.84	1.74	1.65	1.57	1.49
	258.44	SGU L/150	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.31	3.14	2.98	2.84	2.71	2.59	2.48	2.24	2.00	1.79	1.61	1.45	1.31	1.19	1.09	0.99	0.91
	273.76	SGU L/200	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.31	3.14	2.98	2.80	2.47	2.18	1.92	1.71	1.52	1.36	1.22	1.10	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.45	6.62	5.96	5.42	4.97	4.59	4.26	3.97	3.73	3.51	3.01	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	4.01	3.79	3.59	3.41	3.25	3.10	2.96	2.84	2.73	2.58	2.42	2.28	2.15	2.03	1.92	1.82	1.72	1.64
	277.23	SGU L/150	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	4.01	3.79	3.59	3.41	3.25	3.10	2.96	2.71	2.40	2.14	1.92	1.72	1.55	1.41	1.27	1.16	1.06	0.97
	292.01	SGU L/200	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	4.01	3.79	3.59	3.41	3.03	2.66	2.33	2.06	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.52	7.57	6.81	6.20	5.68	5.24	4.87	4.54	4.26	3.81	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.36	4.14	3.95	3.77	3.60	3.39	3.17	2.97	2.79	2.62	2.47	2.33	2.20	2.09	1.98	1.88
	309.33	SGU L/150	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.36	4.14	3.95	3.77	3.39	3.00	2.66	2.37	2.12	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.36	3.88	3.38	2.94	2.58	2.27	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.02	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.32	5.97	5.66	5.38	5.11	4.73	4.39	4.09	3.82	3.57	3.35	3.15	2.97	2.80	2.64	2.50	2.37	2.25
	355.42	SGU L/150	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.32	5.97	5.66	5.38	5.07	4.42	3.89	3.43	3.04	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.32	5.97	5.17	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	13.44	11.95	10.75	9.77	8.96	8.27	7.68	6.97	5.80	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.49	8.90	8.38	7.91	7.38	6.79	6.26	5.79	5.37	5.00	4.67	4.36	4.09	3.84	3.62	3.41	3.22	3.05	2.89	2.74
	412.53	SGU L/150	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.49	8.90	8.38	7.91	7.38	6.79	5.88	5.13	4.49	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.49	8.90	8.30	7.02	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.80	15.82	14.24	12.95	11.87	10.95	9.92	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	21.02	18.69	16.82	15.29	14.02	12.94	12.01	11.21	10.51	9.89	9.10	8.33	7.65	7.05	6.52	6.05	5.63	5.25	4.91	4.60	4.32	4.06	3.83	3.62	3.42	3.24	3.07
	452.02	SGU L/150	21.02	18.69	16.82	15.29	14.02	12.94	12.01	11.21	10.51	9.89	9.10	8.33	7.42	6.41	5.58	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	21.02	18.69	16.82	15.29	14.02	12.94	12.01	11.21	10.51	9.06	7.64	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	21.02	18.69	16.82	15.29	14.02	12.94	10.82	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	30.17	26.81	24.13	21.94	20.11	18.56	17.24	15.91	14.33	12.98	11.81	10.81	9.92	9.13	8.44	7.82	7.27	6.77	6.32	5.92	5.56	5.22	4.92	4.64	4.39	4.15	3.94
	545.22	SGU L/150	30.17	26.81	24.13	21.94	20.11	18.56	17.24	15.91	14.33	12.98	11.81	10.39	8.91	7.69	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	30.17	26.81	24.13	21.94	20.11	18.56	17.24	15.83	13.05	10.88	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	30.17	26.81	24.13	21.94	20.11	16.21	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91

T130

S350 GD



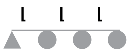
T130-v2 **Negative**

Number of spans: 1 **support: 60 - 60**

Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.34	1.28	1.22	1.17	1.12	1.08	1.04	1.00	0.97	0.94	0.91	0.88	0.85	0.83
	207.70	SGU L/150	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.34	1.28	1.17	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38
	218.80	SGU L/200	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.34	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L/300	3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.74	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.20	1.16
	247.55	SGU L/150	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.84	1.61	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L/200	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	1.88	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34
		SGU L/300	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.53	2.11	1.77	1.49	1.27	1.09	0.95	0.82	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.31	2.20	2.10	2.01	1.92	1.85	1.78	1.71	1.65	1.59	1.54	1.49	1.44	1.40	1.33
	266.46	SGU L/150	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.29	1.99	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76	SGU L/200	5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.37	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
		SGU L/300	5.77	5.13	4.62	4.20	3.85	3.55	3.30	2.75	2.27	1.90	1.61	1.37	1.17	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
0.80		SGN	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.68	2.55	2.44	2.33	2.23	2.14	2.06	1.98	1.91	1.85	1.79	1.73	1.64	1.54	1.45
	286.18	SGU L/150	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.47	2.15	1.87	1.64	1.45	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51
	292.01	SGU L/200	6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.01	2.55	2.18	1.87	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
		SGU L/300	6.70	5.95	5.36	4.87	4.47	4.12	3.60	2.95	2.44	2.04	1.72	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.26
0.88		SGN	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.49	3.32	3.16	3.01	2.88	2.76	2.65	2.55	2.46	2.37	2.25	2.10	1.97	1.85	1.74	1.64
	316.29	SGU L/150	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	3.18	2.74	2.37	2.07	1.81	1.60	1.41	1.26	1.12	1.01	0.91	0.82	0.74	0.67	0.62	0.56
	321.21	SGU L/200	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	3.98	3.35	2.83	2.41	2.07	1.79	1.56	1.36	1.20	1.06	0.94	0.84	0.76	0.68	0.61	0.56	0.51	0.46	0.42
		SGU L/300	8.29	7.37	6.63	6.03	5.53	4.94	4.00	3.26	2.69	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63	0.56	0.50	0.45	0.41	0.37	0.34	0.31	0.28
1.00		SGN	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.06	4.78	4.53	4.30	4.10	3.91	3.74	3.58	3.44	3.29	3.05	2.84	2.65	2.47	2.32	2.17	2.04	1.93
	360.18	SGU L/150	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.73	5.38	5.04	4.27	3.65	3.13	2.71	2.36	2.06	1.82	1.61	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
	365.01	SGU L/200	10.75	9.56	8.60	7.82	7.17	6.62	6.14	5.51	4.58	3.82	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48
		SGU L/300	10.75	9.56	8.60	7.82	7.17	5.69	4.57	3.72	3.07	2.56	2.15	1.83	1.57	1.36	1.18	1.03	0.91	0.80	0.71	0.64	0.57	0.51	0.47	0.42	0.38	0.35	0.32
1.15		SGN	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.12	6.70	6.33	6.00	5.70	5.42	5.18	4.95	4.61	4.25	3.93	3.64	3.39	3.16	2.95	2.76	2.59	2.44	2.30
	416.46	SGU L/150	14.24	12.66	11.39	10.36	9.49	8.76	8.14	7.59	7.00	5.87	4.95	4.21	3.61	3.12	2.71	2.37	2.09	1.85	1.64	1.47	1.32	1.18	1.07	0.97	0.88	0.80	0.73
	419.75	SGU L/200	14.24	12.66	11.39	10.36	9.49	8.76	7.84	6.41	5.29	4.41	3.71	3.16	2.71	2.34	2.03	1.78	1.57	1.39	1.23	1.10	0.99	0.89	0.80	0.73	0.66	0.60	0.55
		SGU L/300	14.24	12.66	11.39	10.36	8.34	6.57	5.26	4.28	3.53	2.94	2.48	2.11	1.81	1.56	1.36	1.19	1.04	0.92	0.82	0.73	0.66	0.59	0.53	0.48	0.44	0.40	0.37
1.25		SGN	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	8.41	7.91	7.47	7.08	6.73	6.41	6.09	5.57	5.11	4.71	4.36	4.04	3.76	3.50	3.27	3.06	2.88	2.70	2.55
	454.28	SGU L/150	16.82	14.95	13.45	12.23	11.21	10.35	9.61	8.97	7.64	6.39	5.38	4.58	3.92	3.39	2.95	2.58	2.27	2.01	1.79	1.60	1.43	1.29	1.16	1.05	0.96	0.87	0.80
	456.26	SGU L/200	16.82	14.95	13.45	12.23	11.21	10.35	8.58	6.98	5.75	4.79	4.04	3.43	2.94	2.54	2.21	1.94	1.70	1.51	1.34	1.20	1.07	0.97	0.87	0.79	0.72	0.66	0.60
		SGU L/300	16.82	14.95	13.45	11.74	9.08	7.15	5.72	4.65	3.83	3.20	2.69	2.29	1.96	1.70	1.47	1.29	1.14	1.00	0.89	0.80	0.72	0.64	0.58	0.53	0.48	0.44	0.40
1.50		SGN	24.13	21.45	19.31	17.55	16.09	14.85	13.79	12.87	12.07	11.36	10.73	10.16	9.24	8.38	7.63	6.98	6.41	5.91	5.47	5.07	4.71	4.39	4.10	3.84	3.61	3.39	3.20
	546.65	SGU L/150	24.13	21.45	19.31	17.55	16.09	14.85	13.71	11.16	9.20	7.67	6.46	5.49	4.71	4.07	3.54	3.10	2.73	2.41	2.14	1.91	1.72	1.54	1.40	1.26	1.15	1.05	0.96
	547.51	SGU L/200	24.13	21.45	19.31	17.55	16.09	12.86	10.30	8.37	6.90	5.75	4.85	4.12	3.53	3.05	2.65	2.32	2.04	1.81	1.61	1.44	1.29	1.16	1.05	0.95	0.86	0.79	0.72
		SGU L/300	24.13	21.45	18.81	14.15	10.90	8.57	6.87	5.58	4.60	3.83	3.23	2.75	2.35	2.03	1.77	1.55	1.36	1.21	1.07	0.96	0.86	0.77	0.70	0.63	0.57	0.52	0.48

Number of spans: 2 **support: 60 - 300 - 60**

Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.49	2.34	2.20	2.08	1.97	1.87	1.78	1.70	1.60	1.49	1.40	1.31	1.23	1.16	1.09	1.03	0.98	0.93	0.88	0.84
	207.70	SGU L/150	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.49	2.34	2.20	2.08	1.97	1.87	1.78	1.70	1.60	1.49	1.40	1.31	1.23	1.16	1.09	1.03	0.98	0.93	0.88	0.84
	218.80	SGU L/200	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.49	2.34	2.20	2.08	1.97	1.87	1.78	1.70	1.60	1.49	1.40	1.31	1.23	1.16	1.09	1.00	0.91	0.83	0.75	0.69
		SGU L/300	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.49	2.34	2.20	2.08	1.97	1.87	1.78	1.69	1.48	1.31	1.16	1.03	0.92	0.83	0.74	0.67	0.61	0.55	0.50	0.46
0.70		SGN	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.51	3.29	3.10	2.92	2.77	2.61	2.41	2.24	2.08	1.94	1.82	1.70	1.60	1.50	1.42	1.34	1.27	1.20	1.14	1.08
	247.55	SGU L/150	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.51	3.29	3.10	2.92	2.77	2.61	2.41	2.24	2.08	1.94	1.82	1.70	1.60	1.50	1.42	1.34	1.27	1.20	1.14	1.07
	255.51	SGU L/200	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.51	3.29	3.10	2.92	2.77	2.61	2.41	2.24	2.08	1.94	1.82	1.70	1.60	1.44	1.30	1.17	1.06	0.97	0.88	0.81
		SGU L/300	6.58	5.85	5.26	4.78	4.39	4.05	3.76	3.51	3.29	3.10	2.92	2.77	2.61	2.28	1.98	1.74	1.53	1.35	1.20	1.07	0.96	0.87	0.78	0.71	0.65	0.59	0.54
0.75		SGN	7.69	6.84	6.16	5.60	5.13	4.74	4.40	4.10	3.85	3.62	3.42	3.18	2.93	2.71	2.51	2.34	2.18	2.03	1.91	1.79	1.68	1.59	1.50	1.42	1.34	1.27	1.21
	266.46	SGU L/150	7.69	6.84	6.16	5.60	5.13	4.74	4.40	4.10	3.85	3.62	3.42	3.18	2.93	2.71	2.51	2.34	2.18	2.03	1.91	1.79	1.68	1.59	1.50	1.42	1.34	1.26	1.15
	273.76	SGU L/200	7.69	6.84	6.16	5.60	5.13	4.74	4.40	4.10	3.85	3.62	3.42	3.18	2.93	2.71	2.51	2.34	2.18	2.03	1.91	1.72	1.55	1.39	1.26	1.14	1.04	0.95	0.86
		SGU L/300	7.69	6.84	6.16	5.60	5.13	4.74	4.40	4.10	3.85	3.62	3.42	3.18	2.83	2.45	2.13	1.86	1.64	1.45	1.29	1.15	1.03	0.93	0.84	0.76	0.69	0.63	0.58
0.80		SGN	8.93	7.94	7.15	6.50	5.95	5.50	5.10	4.76	4.47	4.20	3.88	3.56	3.27	3.02	2.80	2.60	2.43	2.27	2.12	1.99	1.87	1.76	1.66	1.57	1.49	1.41	1.34
	286.18	SGU L/150	8.93	7.94	7.15	6.50	5.95	5.50	5.10	4.76	4.47	4.20	3.88	3.56	3.27	3.02	2.80	2.60	2.43	2.27	2.12	1.99	1.87	1.76	1.66	1.57	1.47	1.34	1.23
	292.01	SGU L/200	8.93	7.94	7.15	6.50	5.95	5.50	5.10	4.76	4.47	4.20	3.88	3.56	3.27	3.02	2.80	2.60	2.43	2.27	2.06	1.84	1.65	1.49	1.34	1.22	1.11	1.01	0.92
		SGU L/300	8.93	7.94	7.15	6.50	5.95	5.50	5.10	4.76	4.47	4.20	3.88	3.52	3.02	2.61	2.27	1.99	1.75	1.55	1.37	1.23	1.10	0.99	0.89	0.81	0.74	0.67	0.61
0.88		SGN	11.05	9.82	8.84	8.04	7.37	6.80	6.32	5.89	5.47	4.97	4.54	4.16	3.82	3.53	3.27	3.03	2.82	2.64	2.47	2.31	2.17	2.05	1.93	1.83	1.73	1.64	1.55
	316.29	SGU L/150	11.05	9.82	8.84	8.04	7.37	6.80	6.32	5.89	5.47	4.97	4.54	4.16	3.82	3.53	3.27	3.03	2.82	2.64	2.47	2.31	2.17	2.05	1.93	1.78	1.62	1.48	1.35
	321.21	SGU L/200	11.05	9.82	8.84	8.04	7.37	6.80	6.32	5.89	5.47	4.97	4.54	4.16	3.82	3.53	3.27	3.03	2.82	2.55	2.27	2.03	1.82	1.63	1.48	1.34	1.22	1.11	1.01
		SGU L/300	11.05	9.82	8.84	8.04	7.37	6.80	6.32	5.89	5.47	4.97	4.54	3.88	3.32	2.87	2.50	2.18	1.92	1.70	1.51	1.35	1.21	1.09	0.98	0.89	0.81	0.74	0.68
1.00		SGN	14.33	12.74	11.47	10.42	9.56	8.82	8.17	7.33	6.61	6.00	5.47	5.01	4.60	4.24	3.93	3.64	3.39	3.16	2.96	2.77	2.60	2.45	2.31	2.18	2.06	1.96	1.86
	360.18	SGU L/150	14.33	12.74	11.47	10.42	9.56	8.82	8.17	7.33	6.61	6.00	5.47	5.01	4.60	4.24	3.93	3.64	3.39	3.16	2.96	2.77	2.60	2.45	2.24	2.03	1.84	1.68	1.54
	365.01	SGU L/200	14.33	12.74	11.47	10.42	9.56	8.82	8.17	7.33	6.61	6.00	5.47	5.01	4.60	4.24	3.93	3.64	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15
		SGU L/300	14.33	12.74	11.47	10.42	9.56	8.82	8.17	7.33	6.61	6.00	5.18	4.40	3.78	3.26	2.84	2.48	2.18	1.93	1.72	1.53	1.38	1.24	1.12	1.01	0.92	0.84	0.77
1.15		SGN	18.99	16.88	15.19	13.81	12.66	11.29	10.05	9.00	8.11	7.35	6.70	6.12	5.62	5.18	4.79	4.44	4.13	3.85	3.60	3.37	3.16	2.97	2.80	2.65	2.50	2.37	2.25
	416.46	SGU L/150	18.99	16.88	15.19	13.81	12.66	11.29	10.05	9.00	8.11	7.35	6.70	6.12	5.62	5.18	4.79	4.44	4.13	3.85	3.60	3.37	3.16	2.85	2.57	2.33	2.12	1.93	1.77
	419.75	SGU L/200	18.99	16.88	15.19	13.81	12.66	11.29	10.05	9.00	8.11	7.35	6.70	6.12	5.62	5.18	4.79	4.28	3.77	3.33	2.96	2.65	2.37	2.14	1.93	1.75	1.59	1.45	1.33
		SGU L/300	18.99	16.88	15.19	13.81	12.66	11.29	10.05	9.00	8.11	7.07	5.96	5.06	4.34	3.75	3.26	2.85	2.51	2.22	1.98	1.76	1.58	1.42	1.29	1.17	1.06	0.97	0.88
1.25		SGN	22.42	19.93	17.94	16.31	14.48	12.77	11.35	10.16	9.15	8.29	7.54	6.89	6.33	5.82	5.38	4.99	4.64	4.32	4.04	3.78	3.55	3.33	3.14	2.96	2.80	2.65	2.51
	454.28	SGU L/150	22.42	19.93	17.94	16.31	14.48	12.77	11.35	10.16	9.15	8.29	7.54	6.89	6.33	5.82	5.38	4.99	4.64	4.32	4.04	3.78	3.44	3.10	2.80	2.53	2.30	2.10	1.92
	456.26	SGU L/200	22.42	19.93	17.94	16.31	14.48	12.77	11.35	10.16	9.15	8.29	7.54	6.89	6.33	5.82	5.32	4.65	4.10	3.62	3.22	2.88	2.58	2.32	2.10	1.90	1.73	1.58	1.44
		SGU L/300	22.42	19.93	17.94	16.31	14.48	12.77	11.35	10.16	9.15	7.68	6.47	5.50	4.72	4.08	3.55	3.10	2.73	2.42	2.15	1.92	1.72	1.55	1.40	1.27	1.15	1.05	0.96
1.50		SGN	32.18	28.60	25.14	21.68	18.90	16.64	14.76	13.19	11.87	10.73	9.76	8.89	8.15	7.50	6.92	6.41	5.95	5.54	5.17	4.84	4.54	4.26	4.01	3.78	3.57	3.38	3.19
	546.65	SGU L/150	32.18	28.60	25.14	21.68	18.90	16.64	14.76	13.19	11.87	10.73	9.76	8.89	8.15	7.50	6.92	6.41	5.95	5.54	5.16	4.60	4.13	3.72	3.36	3.04	2.77	2.52	2.31
	547.51	SGU L/200	32.18	28.60	25.14	21.68	18.90	16.64	14.76	13.19	11.87	10.73	9.76	8.89	8.15	7.34	6.38	5.59	4.92	4.35	3.87	3.45	3.10	2.79	2.52	2.28	2.07	1.89	1.73
		SGU L/300	32.18	28.60	25.14	21.68	18.90	16.64	14.76	13.19	11.06	9.22	7.77	6.61	5.66	4.89	4.25	3.72	3.28	2.90	2.58	2.30	2.06	1.86	1.68	1.52	1.38	1.26	1.15



Number of spans: 3 **support: 60 - 300 - 300 -60**

Thickness	*Jx [cm4]*	*Case*	*2.00*	*2.25*	*2.50*	*2.75*	*3.00*	*3.25*	*3.50*	*3.75*	*4.00*	*4.25*	*4.50*	*4.75*	*5.00*	*5.25*	*5.50*	*5.75*	*6.00*	*6.25*	*6.50*	*6.75*	*7.00*	*7.25*	*7.50*	*7.75*	*8.00*	*8.25*	*8.50*
0.60		SGN	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.75	1.67	1.59	1.53	1.46	1.40	1.35	1.30	1.25	1.21	1.17	1.13	1.10	1.06	1.02
	207.70	SGU L/150	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.75	1.67	1.59	1.53	1.46	1.40	1.35	1.30	1.25	1.15	1.04	0.95	0.86	0.79	0.72
	218.80	SGU L/200	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.75	1.67	1.59	1.53	1.46	1.34	1.20	1.07	0.96	0.87	0.79	0.71	0.65	0.59	0.54
		SGU L/300	4.38	3.90	3.51	3.19	2.92	2.70	2.51	2.34	2.19	2.06	1.95	1.85	1.73	1.51	1.32	1.16	1.02	0.91	0.81	0.72	0.65	0.58	0.53	0.48	0.43	0.40	0.36
0.70		SGN	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.15	2.06	1.97	1.90	1.83	1.76	1.70	1.62	1.54	1.46	1.38	1.31
	247.55	SGU L/150	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.15	2.06	1.97	1.86	1.67	1.50	1.35	1.22	1.11	1.01	0.92	0.84
	255.51	SGU L/200	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.60	2.47	2.35	2.24	2.02	1.79	1.59	1.41	1.26	1.13	1.02	0.92	0.84	0.76	0.69	0.63
		SGU L/300	6.17	5.48	4.93	4.49	4.11	3.80	3.52	3.29	3.08	2.90	2.74	2.39	2.06	1.79	1.56	1.36	1.20	1.06	0.95	0.84	0.76	0.68	0.62	0.56	0.51	0.46	0.42
0.75		SGN	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.21	3.04	2.89	2.75	2.62	2.51	2.40	2.31	2.22	2.14	2.04	1.92	1.82	1.72	1.63	1.55	1.47
	266.46	SGU L/150	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.21	3.04	2.89	2.75	2.62	2.51	2.40	2.25	2.01	1.80	1.61	1.45	1.31	1.19	1.08	0.99	0.91
	273.76	SGU L/200	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.21	3.04	2.89	2.75	2.48	2.18	1.92	1.70	1.52	1.36	1.22	1.10	0.99	0.90	0.82	0.74	0.68
		SGU L/300	7.21	6.41	5.77	5.25	4.81	4.44	4.12	3.85	3.61	3.39	3.02	2.58	2.22	1.92	1.67	1.46	1.29	1.14	1.01	0.90	0.81	0.73	0.66	0.60	0.54	0.50	0.45
0.80		SGN	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.94	3.72	3.53	3.35	3.19	3.05	2.91	2.79	2.68	2.57	2.41	2.27	2.14	2.02	1.91	1.81	1.72	1.63
	286.18	SGU L/150	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.94	3.72	3.53	3.35	3.19	3.05	2.91	2.72	2.41	2.15	1.92	1.73	1.55	1.40	1.27	1.16	1.06	0.97
	292.01	SGU L/200	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.94	3.72	3.53	3.35	3.05	2.66	2.33	2.06	1.82	1.62	1.45	1.30	1.17	1.06	0.96	0.87	0.79	0.73
		SGU L/300	8.37	7.44	6.70	6.09	5.58	5.15	4.79	4.47	4.19	3.82	3.24	2.76	2.37	2.05	1.78	1.56	1.37	1.22	1.08	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.48
0.88		SGN	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.36	4.14	3.95	3.77	3.60	3.42	3.20	2.99	2.81	2.64	2.49	2.35	2.22	2.10	2.00	1.90
	316.29	SGU L/150	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.36	4.14	3.95	3.77	3.41	3.01	2.67	2.37	2.12	1.90	1.71	1.55	1.40	1.28	1.16	1.06
	321.21	SGU L/200	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.18	4.88	4.61	4.36	3.90	3.38	2.94	2.58	2.27	2.01	1.78	1.59	1.43	1.29	1.16	1.05	0.96	0.87	0.80
		SGU L/300	10.36	9.21	8.29	7.54	6.91	6.38	5.92	5.53	5.06	4.24	3.58	3.05	2.61	2.26	1.96	1.72	1.51	1.34	1.19	1.06	0.95	0.86	0.77	0.70	0.64	0.58	0.53
1.00		SGN	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.32	5.97	5.66	5.38	5.12	4.75	4.42	4.11	3.84	3.59	3.37	3.17	2.98	2.82	2.66	2.52	2.39	2.27
	360.18	SGU L/150	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.32	5.97	5.66	5.38	5.10	4.44	3.89	3.43	3.04	2.70	2.41	2.16	1.95	1.76	1.59	1.45	1.32	1.21
	365.01	SGU L/200	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.17	6.72	6.32	5.97	5.18	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91
		SGU L/300	13.44	11.95	10.75	9.77	8.96	8.27	7.68	7.00	5.80	4.83	4.07	3.46	2.97	2.56	2.23	1.95	1.72	1.52	1.35	1.21	1.08	0.97	0.88	0.80	0.72	0.66	0.60
1.15		SGN	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.49	8.90	8.38	7.91	7.40	6.81	6.28	5.81	5.39	5.02	4.68	4.38	4.10	3.85	3.63	3.42	3.23	3.06	2.89	2.75
	416.46	SGU L/150	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.49	8.90	8.38	7.91	7.40	6.81	5.89	5.13	4.49	3.95	3.50	3.11	2.78	2.49	2.24	2.02	1.83	1.67	1.52	1.39
	419.75	SGU L/200	17.80	15.82	14.24	12.95	11.87	10.95	10.17	9.49	8.90	8.32	7.02	5.97	5.12	4.42	3.85	3.37	2.96	2.62	2.33	2.08	1.87	1.68	1.52	1.38	1.25	1.14	1.04
		SGU L/300	17.80	15.82	14.24	12.95	11.87	10.95	9.93	8.09	6.67	5.56	4.68	3.98	3.41	2.95	2.56	2.24	1.98	1.75	1.55	1.39	1.24	1.12	1.01	0.92	0.83	0.76	0.69
1.25		SGN	21.02	18.69	16.82	15.29	14.02	12.94	12.01	11.21	10.51	9.89	9.12	8.35	7.67	7.07	6.53	6.06	5.64	5.26	4.92	4.61	4.33	4.07	3.84	3.62	3.43	3.24	3.08
	454.28	SGU L/150	21.02	18.69	16.82	15.29	14.02	12.94	12.01	11.21	10.51	9.89	9.12	8.35	7.42	6.41	5.58	4.88	4.29	3.80	3.38	3.02	2.70	2.43	2.20	1.99	1.81	1.65	1.51
	456.26	SGU L/200	21.02	18.69	16.82	15.29	14.02	12.94	12.01	11.21	10.51	9.06	7.64	6.49	5.57	4.81	4.18	3.66	3.22	2.85	2.53	2.26	2.03	1.83	1.65	1.49	1.36	1.24	1.13
		SGU L/300	21.02	18.69	16.82	15.29	14.02	12.94	10.82	8.80	7.25	6.04	5.09	4.33	3.71	3.21	2.79	2.44	2.15	1.90	1.69	1.51	1.35	1.22	1.10	1.00	0.91	0.83	0.76
1.50		SGN	30.17	26.81	24.13	21.94	20.11	18.56	17.24	15.92	14.34	12.98	11.82	10.79	9.90	9.11	8.42	7.80	7.25	6.76	6.31	5.91	5.54	5.21	4.91	4.63	4.38	4.15	3.93
	546.65	SGU L/150	30.17	26.81	24.13	21.94	20.11	18.56	17.24	15.92	14.34	12.98	11.82	10.39	8.91	7.69	6.69	5.86	5.15	4.56	4.05	3.62	3.25	2.92	2.64	2.39	2.17	1.98	1.81
	547.51	SGU L/200	30.17	26.81	24.13	21.94	20.11	18.56	17.24	15.83	13.05	10.88	9.16	7.79	6.68	5.77	5.02	4.39	3.87	3.42	3.04	2.71	2.43	2.19	1.98	1.79	1.63	1.49	1.36
		SGU L/300	30.17	26.81	24.13	21.94	20.11	16.21	12.98	10.55	8.70	7.25	6.11	5.19	4.45	3.85	3.35	2.93	2.58	2.28	2.03	1.81	1.62	1.46	1.32	1.20	1.09	0.99	0.91