

OSA-Multi-span analysis - Continuous Loads

$$R = wL \quad V = wL/2 \quad M = wL^2/8 \quad \Delta = 5wL^4/384EI$$

	R	V	M ⁺	M ⁻	Δ
1	0.50	1.00	1.00	0	1.00
2	1.25	1.25	0.56	-1.00	0.42
3	1.10	1.20	0.64	-0.80	0.53
4	1.14	1.21	0.61	-0.86	0.50
5	1.13	1.21	0.62	-0.84	0.50
∞					
Center	1.00	1.00	0.33	-0.66	0.20
Edge	1.13	1.21	0.62	-0.85	0.50

OSB-Multi-span analysis - Alternate loads

$$R = wL \quad V = wL/2 \quad M = wL^2/8 \quad \Delta = 5wL^4/384EI$$

	R	V	M ⁺	M ⁻	Δ
1	0.50	1.00	1.00	0	1.00
2	1.25	1.25	0.77	-1.00	0.70
3	1.20	1.23	0.81	-0.93	0.76
4	1.22	1.24	0.80	-0.96	0.74
5	1.22	1.24	0.80	-0.96	0.75
∞	1.00	1.00	0.66	-0.66	0.60
Center	1.00	1.00	0.66	-0.66	0.60
Edge	1.22	1.24	0.80	-0.96	0.75