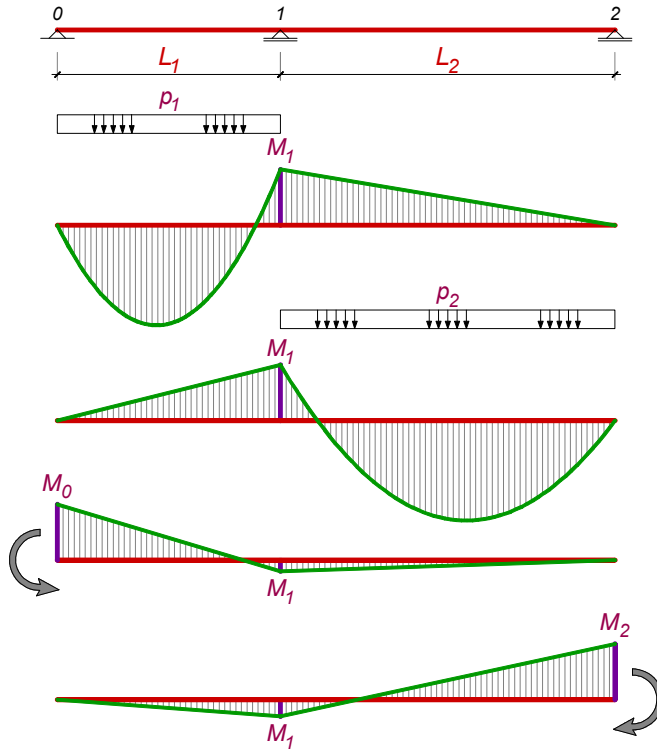


Kontinualni nosač konstantnog poprečnog preseka preko dva polja



za opterećeno polje L_1 :

$$M_1 = -\frac{p_1 \times L_1^3}{8 \times (L_1 + L_2)}$$

za opterećeno polje L_2 :

$$M_1 = -\frac{p_2 \times L_2^3}{8 \times (L_1 + L_2)}$$

Usled momenta M_0 :

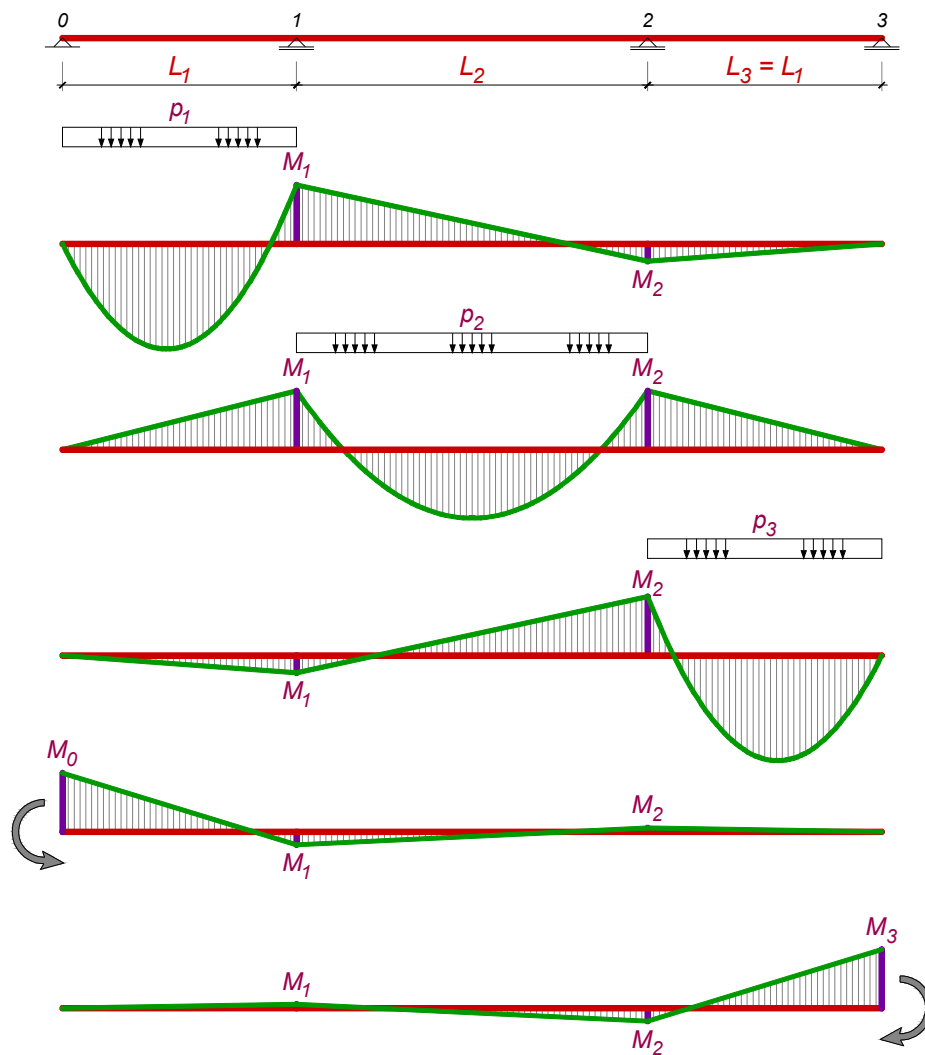
$$M_1 = -M_0 \times \frac{L_1}{2 \times (L_1 + L_2)}$$

Usled momenta M_2 :

$$M_1 = -M_2 \times \frac{L_2}{2 \times (L_1 + L_2)}$$

Oslonački moment M_1

L_2/L_1	opterećeno polje			moment na kraju	
	p_1	p_2	p_1+p_2	M_0	M_2
0.5	-0.0833	-0.0104	-0.0938	0.3333	0.1667
0.6	-0.0781	-0.0169	-0.0950	0.3125	0.1875
0.7	-0.0735	-0.0252	-0.0988	0.2941	0.2059
0.8	-0.0694	-0.0356	-0.1050	0.2778	0.2222
0.9	-0.0658	-0.0480	-0.1138	0.2632	0.2368
1	-0.0625	-0.0625	-0.1250	0.2500	0.2500
1.1	-0.0595	-0.0792	-0.1388	0.2381	0.2619
1.2	-0.0568	-0.0982	-0.1550	0.2273	0.2727
1.3	-0.0543	-0.1194	-0.1738	0.2174	0.2826
1.4	-0.0521	-0.1429	-0.1950	0.2083	0.2917
1.5	-0.0500	-0.1688	-0.2188	0.2000	0.3000
1.6	-0.0481	-0.1969	-0.2450	0.1923	0.3077
1.7	-0.0463	-0.2275	-0.2738	0.1852	0.3148
1.8	-0.0446	-0.2604	-0.3050	0.1786	0.3214
1.9	-0.0431	-0.2956	-0.3388	0.1724	0.3276
2	-0.0417	-0.3333	-0.3750	0.1667	0.3333
2.5	-0.0357	-0.5580	-0.5938	0.1429	0.3571
3	-0.0313	-0.8438	-0.8750	0.1250	0.3750
4	-0.0250	-1.6000	-1.6250	0.1000	0.4000
5	-0.0208	-2.6042	-2.6250	0.0833	0.4167
	$\times pL_1^2$	$\times pL_1^2$	$\times pL_1^2$	$\times M_0$	$\times M_2$

Kontinualni nosač konstantnog poprečnog preseka preko tri polja


za opterećeno krajnje polje \$L_1\$:

$$M_1 = -\frac{p_1 \times L_1^3}{2} \times \frac{L_1 + L_2}{4 \times L_1^2 + 8 \times L_1 \times L_2 + 3 \times L_2^2}$$

$$M_2 = -M_1 \times \frac{L_2}{2 \times (L_1 + L_2)}$$

za opterećeno srednje polje \$L_2\$:

$$M_1 = -\frac{p_2 \times L_2^3}{2} \times \frac{1}{2 \times (2 \times L_1 + 3 \times L_2)} = M_2$$

Usled momenta \$M_0\$:

$$M_1 = -M_0 \times \frac{2 \times L_1 \times (L_1 + L_2)}{4 \times L_1^2 + 8 \times L_1 \times L_2 + 3 \times L_2^2}$$

$$M_2 = -M_1 \times \frac{L_2}{2 \times (L_1 + L_2)}$$

Oslonački moment M_1

L_2/L_1	opterećeno polje					moment na kraju	
	p_1	p_2	p_3	p_1+p_2	$p_1+p_2+p_3$	M_0	M_3
0.5	-0.0857	-0.0089	0.0143	-0.0946	-0.0804	0.3429	-0.0571
0.6	-0.0810	-0.0142	0.0152	-0.0952	-0.0800	0.3239	-0.0607
0.7	-0.0768	-0.0209	0.0158	-0.0977	-0.0819	0.3071	-0.0632
0.8	-0.0731	-0.0291	0.0162	-0.1021	-0.0859	0.2922	-0.0649
0.9	-0.0697	-0.0388	0.0165	-0.1085	-0.0920	0.2788	-0.0660
1	-0.0667	-0.0500	0.0167	-0.1167	-0.1000	0.2667	-0.0667
1.1	-0.0639	-0.0628	0.0167	-0.1267	-0.1100	0.2556	-0.0670
1.2	-0.0614	-0.0771	0.0167	-0.1385	-0.1218	0.2455	-0.0670
1.3	-0.0591	-0.0931	0.0167	-0.1522	-0.1355	0.2363	-0.0668
1.4	-0.0569	-0.1106	0.0166	-0.1676	-0.1510	0.2277	-0.0664
1.5	-0.0549	-0.1298	0.0165	-0.1848	-0.1683	0.2198	-0.0659
1.6	-0.0531	-0.1506	0.0163	-0.2037	-0.1874	0.2124	-0.0654
1.7	-0.0514	-0.1730	0.0162	-0.2244	-0.2082	0.2056	-0.0647
1.8	-0.0498	-0.1970	0.0160	-0.2468	-0.2308	0.1991	-0.0640
1.9	-0.0483	-0.2227	0.0158	-0.2710	-0.2552	0.1931	-0.0633
2	-0.0469	-0.2500	0.0156	-0.2969	-0.2813	0.1875	-0.0625
2.5	-0.0409	-0.4112	0.0146	-0.4521	-0.4375	0.1637	-0.0585
3	-0.0364	-0.6136	0.0136	-0.6500	-0.6364	0.1455	-0.0545
4	-0.0298	-1.1429	0.0119	-1.1726	-1.1607	0.1190	-0.0476
5	-0.0252	-1.8382	0.0105	-1.8634	-1.8529	0.1008	-0.0420
	$\times pL_1^2$	$\times pL_1^2$	$\times pL_1^2$	$\times pL_1^2$	$\times pL_1^2$	$\times M_0$	$\times M_3$

Oslonački moment M_2

L_2/L_1	opterećeno polje					moment na kraju	
	p_1	p_2	p_3	p_2+p_3	$p_1+p_2+p_3$	M_0	M_3
0.5	0.0143	-0.0089	-0.0857	-0.0946	-0.0804	-0.0571	0.3429
0.6	0.0152	-0.0142	-0.0810	-0.0952	-0.0800	-0.0607	0.3239
0.7	0.0158	-0.0209	-0.0768	-0.0977	-0.0819	-0.0632	0.3071
0.8	0.0162	-0.0291	-0.0731	-0.1021	-0.0859	-0.0649	0.2922
0.9	0.0165	-0.0388	-0.0697	-0.1085	-0.0920	-0.0660	0.2788
1	0.0167	-0.0500	-0.0667	-0.1167	-0.1000	-0.0667	0.2667
1.1	0.0167	-0.0628	-0.0639	-0.1267	-0.1100	-0.0670	0.2556
1.2	0.0167	-0.0771	-0.0614	-0.1385	-0.1218	-0.0670	0.2455
1.3	0.0167	-0.0931	-0.0591	-0.1522	-0.1355	-0.0668	0.2363
1.4	0.0166	-0.1106	-0.0569	-0.1676	-0.1510	-0.0664	0.2277
1.5	0.0165	-0.1298	-0.0549	-0.1848	-0.1683	-0.0659	0.2198
1.6	0.0163	-0.1506	-0.0531	-0.2037	-0.1874	-0.0654	0.2124
1.7	0.0162	-0.1730	-0.0514	-0.2244	-0.2082	-0.0647	0.2056
1.8	0.0160	-0.1970	-0.0498	-0.2468	-0.2308	-0.0640	0.1991
1.9	0.0158	-0.2227	-0.0483	-0.2710	-0.2552	-0.0633	0.1931
2	0.0156	-0.2500	-0.0469	-0.2969	-0.2813	-0.0625	0.1875
2.5	0.0146	-0.4112	-0.0409	-0.4521	-0.4375	-0.0585	0.1637
3	0.0136	-0.6136	-0.0364	-0.6500	-0.6364	-0.0545	0.1455
4	0.0119	-1.1429	-0.0298	-1.1726	-1.1607	-0.0476	0.1190
5	0.0105	-1.8382	-0.0252	-1.8634	-1.8529	-0.0420	0.1008
	$\times pL_1^2$	$\times pL_1^2$	$\times pL_1^2$	$\times pL_1^2$	$\times pL_1^2$	$\times M_0$	$\times M_3$