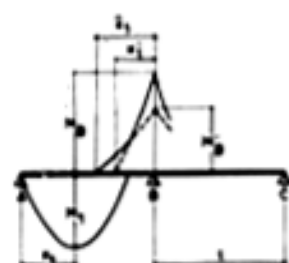


VIGAS CONTINUAS INERCIA CONSTANTE, TRAMOS IGUALES E IGUAL CARGA PERMANENTE Y EVENTUAL UNIFORMEMENTE REPARTIDA



2 TRAMOS

momentos

$$M = \frac{ql^2}{K}$$

$$M_B = \frac{ql^2}{8}$$

abscisas

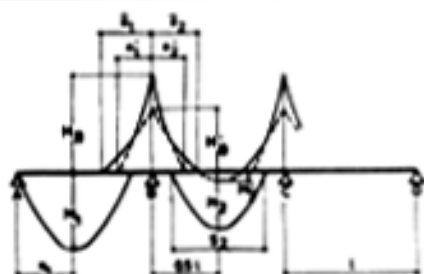
$$x = rl$$

$$x_1 = 0.25 l$$

cortantes

$$V = nql$$

			g/q=	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
coeficientes para	momentos	tramo	M_1	10.45	10.75	11.07	11.40	11.75	12.12	12.50	12.90	13.32	13.76	14.22
		apoyo	M_B	18.00	14.54	12.33	12.31	11.43	10.66	10.00	9.41	8.89	8.42	8.00
	abscisas		x_1	0.438	0.431	0.425	0.419	0.413	0.406	0.400	0.394	0.388	0.381	0.375
			$\bar{x}_1$	1.000	1.000	0.750	0.542	0.438	0.375	0.333	0.304	0.282	0.264	0.250
	cortantes de apoyo	V_{A1}	mdx	0.438	0.431	0.425	0.419	0.413	0.406	0.400	0.394	0.388	0.381	0.375
			min	-0.062	-0.019	0.025	0.069	0.112	0.156	0.200	0.244	0.287	0.331	0.375
		V_{B2}	mdx	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625
			min	0.000	0.062	0.125	0.187	0.250	0.312	0.375	0.437	0.500	0.562	0.625



3 TRAMOS

momentos

$$M = \frac{ql^2}{K}$$

abscisas

$$x = rl$$

$$S = sl$$

cortantes

$$V = nql$$

			g/q=	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
coeficientes para	momentos	tramo	M ₁	9.88	10.19	10.33	10.57	10.82	11.07	11.34	11.61	11.90	12.19	12.50
			M ₂	13.33	14.28	15.38	16.67	18.18	20.00	22.22	24.00	24.00	24.00	24.00
			M ₂ '	-20.00	-23.53	-28.57	-36.36	-50.00	-80.00	-200.00	400.00	100.00	57.14	40.00
		apoyo	M _B	8.57	8.70	8.82	8.96	9.09	9.23	9.38	9.52	9.68	9.84	10.00
			M _B '	20.00	18.18	16.67	15.38	14.29	13.33	12.50	11.76	11.11	10.53	10.00
	abscisas		x ₁	0.450	0.445	0.440	0.435	0.430	0.425	0.420	0.415	0.410	0.405	0.400
			S ₂	0.775	0.748	0.721	0.693	0.663	0.632	0.600	0.578	0.578	0.578	0.578
			x ₁ '	0.233	0.230	0.227	0.223	0.220	0.217	0.213	0.210	0.207	0.203	0.200
			x ₂ '	0.255	0.257	0.258	0.261	0.263	0.265	0.267	0.269	0.271	0.273	0.276
			x ₁	1.000	1.000	0.800	0.633	0.500	0.300	0.267	0.243	0.225	0.211	0.200
			x ₂	—	—	—	—	—	—	—	0.416	0.342	0.303	0.276
	cortantes de apoyo	V _{A1}	mdx	0.450	0.445	0.440	0.435	0.430	0.425	0.420	0.415	0.410	0.405	0.400
			min	-0.050	-0.005	0.040	0.085	0.130	0.175	0.220	0.265	0.310	0.355	0.400
		V _{B1}	mdx	0.617	0.615	0.613	0.612	0.610	0.608	0.607	0.605	0.603	0.602	0.600
			min	-0.017	0.045	0.107	0.168	0.230	0.292	0.353	0.415	0.477	0.538	0.600
		V _{B2}	mdx	0.583	0.575	0.567	0.558	0.550	0.542	0.533	0.525	0.517	0.508	0.500
			min	-0.083	-0.025	0.033	0.092	0.150	0.208	0.267	0.325	0.383	0.442	0.500