

proc.

comp.

dib.

traz.

ord. / 103

Eduardo Torroja
Oficina Técnica nº

Cambiar de lugar en el lado derecho

+694,5	-18,400,000	-15,000,000	0	0	0	0
+1.600,0	-106,000,000	-34,500,000	0	0	0	0
-1.634,0	+107,000,000	+66,300,000	-34,600,000	-7,600,000	-9,700,000	+2,270,000
-750,3	+20,300,000	-20,600,000	-6,500,000	+8,400,000	+1,850,000	-2,460,000
θ_{dp}^I	+2,900,000	-4,600,000	-41,100,000	+800,000	-7,850,000	-330,000
-10,85	+195,000	+175,000	0			
-143,8	+5,450,000	+2,020,000	0			
+139,86	-5,150,000	-3,020,000	+1,440,000	+282,000	-465,000	+88,000
+83,3	-385,000	+370,000	+106,000	-118,000	-34,500	-36,300
θ_{dp}^{II}	+3,390,000	-455,000	+1,546,000	+164,000	-499,500	+51,700
-506,0	+14,100,000	+11,000,000	0			
+659,88	-43,500,000	-14,300,000	0			
-536,72	+35,500,000	+21,800,000	-11,400,000	-2500,000	-3180,000	+730,000
-169,88	+4,800,000	-4,700,000	-1,480,000	+1,900,000	+420,000	-560,000
θ_{dp}^{III}	+10,700,000	+13,900,000	-12,880,000	-600,000	-2,760,000	+170,000
+88,40	-340,000	-312,000	0			
-55,83	+2,100,000	+720,000	0			
+56,85	-2,180,000	-1,290,000	+610,000	+120,000	-196,000	+37,200
+84,83	-410,000	+395,000	+113,000	-125,000	-37,000	-38,500
θ_{dp}^{IV}	-830,000	-487,000	+773,000	-5,000	-213,000	-1,000
+189,4	-5,290,000	-4,100,000	0			
+870,8	-18,000,000	-5,800,000	0			
-886,9	+15,600,000	+9,600,000	-5,000,000	-1,100,000	-1,400,000	+322,000
-185,8	+5,000,000	-5,130,000	-1,620,000	+2,080,000	+458,000	-610,000
θ_{dp}^V	+2,690,000	+5,430,000	-6,680,000	+980,000	-940,000	-380,000
-3,84	+49,000	+44,000	0			
-34,15	+920,000	+359,000	0			
+80,18	-780,000	-460,000	+216,000	+40,000	-70,000	+12,300
+1,85	-20,500	+19,800	+5,650	-6,200	-1,850	-1,940
θ_{dp}^VI	+168,500	-46,800	+21,650	+36,700	-71,250	+11,360

+796,6	-10800,000	-6,900,000	-1,940,000	0		
+1798,0	-49,500,000	-11,600,000	+1,900,000	0		
-1988,0	+53,500,000	+25,200,000	-17,400,000	-6,700,000		
-949,0	+9,600,000	-13,000,000	-3,080,000	+4,580,000		
θ_{dp}^VII	+2,800,000	-6,300,000	-24,520,000	-2,180,000		
-1,87	+12,900	+7,800	0			
-160,9	+2,660,000	+500,000	0			
+154,6	-2,600,000	-1,380,000	+730,000	+160,000	-470,000	-42,500
+40,9	-280,000	+208,000	+78,500	-102,000	-50,000	+27,500
θ_{dp}^{VIII}	-2,074,000	-504,000	+808,500	+57,000	-520,000	-15,000
+738,6	-1,000,000	-690,000	-179,000	0		
+884,87	-8,200,000	-1,850,000	+331,000	0		
-495,3	+1,320,000	+625,000	-930,000	-167,000		
+211,12	-2,150,000	+2,860,000	+690,000	-1,020,000		
θ_{dp}^{IX}	-10,080,000	+995,000	+412,000	-1,187,000		
-21,56	+148,000	+90,000	0			
-8,16	+185,000	+35,400	0			
-6,69	+112,000	+57,200	-81,800	-6,900	+20,400	+1,850,000
-21,24	+150,000	-165,000	-42,000	+55,000	+27,000	-14,600
θ_{dp}^{X}	+545,000	+7,600,000	-73,800	+48,100	+47,400	+1835,4
+193,7	-2,666,000	-1,680,000	-470,000	0		
+202,4	-9,300,000	-1,960,000	+359,000	0		
-441,3	+11,800,000	+5,600,000	-3,820,000	-1,490,000		
-217,9	+2,810,000	-3,000,000	-710,000	+1,060,000		
θ_{dp}^{XI}	+2,144,000	-1,050,000	-4,641,000	-430,000		
+1,0	-8,200,000	-5,000,000	0			
-31,93	+528,000	+98,000,000	0			
+39,87	-550,000	-280,000	+155,000	+24,000	-99,500	-9,000,000
+8,98	-64,000	+66,500	+17,100	-22,500	-11,000	+6,000,000
θ_{dp}^{XII}	-91,200	-119,500	+472,100	+11,500	-110,500	-3,000,000

Eduardo Torroja Oficina Técnica nº	Quilier de Liger al fondo de reserva	proc.	+698,5	-2.660,000	-1.220,000	0	0	0	0	+796,6	-3.560,000	-1.330,000	-132,000	0
		comp.	+1,600	-2.750,000	-90,000	0	0	0	0	+1,792	-3.500,000	+229,000	+680,000	0
		dib.	-1.674	-2.550,000	-4.850,000	+820,000	+115,000	-231,000	-338,000	-1.988	-3.200,000	-6.700,000	+1.025,000	-1.820,000
		traz.	-750,3	-3.100,000	-490,000	+990,000	-200,000	+280,000	+59,000	-942	-4.750,000	-223,000	-1.500,000	-67,000
		ord.	η_{dp}^{11}	-11.060,000	-7.460,000	+1.810,000	-85,000	+49,000	-249,000	η_{dp}^{11}	-15.010,000	-8.000,000	+73,000	-1.887,000
		ord.	-12,85	+9,000	-4,300	0	0	0	0	-1,87	+1600	+510	0	0
		ord.	-147,8	+49,000	+23,200	0	0	0	0	-160,9	+64,000	-4,250	0	0
		ord.	+132,36	+40,000	+75,000	-11,000	-14,200	+3,580	-4,400	+154,6	+56,000	+100,000	-15,600	-22,400
		ord.	+23,3	+19,100	+2,760	-5,350	+910	+1,720	+280	+40,9	+39,600	+2,810	-11,100	+2,200
		ord.	η_{dp}^{11}	+117,100	+96,660	-16,850	-13,280	+5,300	-4,180	η_{dp}^{11}	+161,200	+92,920	-26,700	-20,200
		ord.	-506,0	+1,950,000	+890,000	0	0	0	0	+73,86	-330,000	-123,000	-12,300	0
		ord.	+659,28	-1.120,000	-37,000	0	0	0	0	+284,87	-560,000	+36,500	+109,000	0
		ord.	-536,72	-840,000	-1.600,000	+271,000	+380,000	-76,000	-111,000	-49,53	-80,000	-166,000	+25,500	-45,100
		ord.	-169,28	-700,000	-110,000	+221,000	-45,000	+62,000	-12,400	+211,12	+1,060,000	+50,000	+336,000	+15,000
		ord.	η_{dp}^{11}	-710,000	-857,000	+498,000	+385,000	-13,000	-124,400	η_{dp}^{11}	+90,000	-208,500	+458,200	-20,100
		ord.	+22,92	-16,100	+7,600	0	0	0	0	-21,56	+18,400	+5,900	0	0
		ord.	-55,20	+19,100	+9,000	0	0	0	0	-8,16	+3,250	-220	0	0
		ord.	+56,25	+17,000	+31,800	-4,720	-6,000	+1,510	-1,850	-6,69	-2,410	-4,310	+680	+970
		ord.	+24,83	+20,400	+2,920	-5,700	+960	+1,820	+295	-21,84	-21,400	-1,500	+5,900	-11,800
		ord.	η_{dp}^{11}	+40,400	+51,320	-10,480	-5,040	+3,330	-1,555	η_{dp}^{11}	+2,160	-130	+6,580	-10,830
ord.	+189,4	-725,000	-335,000	0	0	0	0	+197,7	-865,000	-320,000	-22,500	0		
ord.	+270,8	-461,000	-15,100	0	0	0	0	+202,7	-600,000	+39,000	+116,000	0		
ord.	-236,9	-372,000	-700,000	+120,000	+166,000	-33,200	+49,000	-441,2	-710,000	-1.090,000	+228,000	-405,000		
ord.	-185,8	-770,000	-121,000	+245,000	-49,500	-69,000	-14,600	-217,9	-1.080,000	-51,000	-345,000	-15,500		
ord.	η_{dp}^{11}	-2.398,000	-1.171,100	+365,000	+116,000	-108,200	+34,400	η_{dp}^{11}	-2.055,000	-1.899,000	-33,500	-420,500		
ord.	-3,24	+2,200	-1,090	0	0	0	0	+1,2	-1,010	-325	0	0		
ord.	-24,15	+8,400	+3,950	0	0	0	0	-21,93	+12,600	-860	0	0		
ord.	+20,13	+6,100	+11,400	-1,700	-2,150	+540	-660	+22,87	+11,900	+21,100	-3,300	-4,760		
ord.	+1,25	+6,030	+149	-286	+49	+93	+15	+8,93	+8,600	+615	-2,420	+480		
ord.	η_{dp}^{11}	+14,830	+14,409	-1,986	-2,101	+633	-645	η_{dp}^{11}	+22,090	+20,580	-5,720	-4,380		
ord.												+3,670		
ord.												+1,165		

Eduardo Torroja
Oficina Técnica nº

103 ord.

traz.

dib.

comp.

proc.

+698,5	+ 8,100,000	+ 1,810,000	0	0	0	0	+ 796,6	+ 6,300,000	+ 3,000,000	+ 550,000	0		
+ 1600	+ 20,000,000	+ 4,750,000	0	0	0	0	+ 1,792	+ 15,400,000	+ 2,350,000	- 1,140,000	0		
- 1,624	- 21,900,000	+ 4,020,000	+ 8,250,000	- 3,300,000	+ 1,950,000	+ 1,010,000	- 1,988	- 20,500,000	+ 4,850,000	+ 6,600,000	- 2,200,000	+	+
- 750,3	+ 9,200,000	+ 9,300,000	- 2,960,000	- 1,700,000	- 840,000	+ 500,000	- 942	+ 7,700,000	+ 7,700,000	- 2,480,000	- 2,350,000	-	-
\sum S d p	+ 15,400,000	+ 19,840,000	+ 5,890,000	- 5,000,000	+ 1,100,000	+ 1,510,000	\sum S d p	+ 8,900,000	+ 17,900,000	+ 3,530,000	- 4,550,000		
- 12,85	- 49,000	- 31,800	0	0	0	0	- 1,87	- 5,150	- 1,560	0	0	0	0
- 142,8	- 595,000	- 241,000	0	0	0	0	- 160,9	- 476,000	- 52,800	0	0	0	0
+ 132,36	+ 590,000	- 101,000	- 166,000	+ 71,500	+ 53,200	+ 22,100	+ 154,6	+ 500,000	- 118,000	- 140,000	+ 70,000	+ 90,000	- 18,500
+ 23,3	- 97,000	- 92,500	+ 27,400	+ 13,600	- 8,800	+ 4,160	+ 40,9	- 122,000	- 108,000	+ 34,500	+ 19,900	- 22,100	- 5,250
\sum S d p	- 151,000	- 466,300	- 138,600	+ 85,100	+ 44,400	+ 26,360	\sum S d p	- 103,150	- 280,360	- 105,500	+ 89,900	+ 67,900	- 23,750
- 506	- 5,850,000	- 1320,000	0	0	0	0	+ 73,86	+ 575,000	+ 276,000	+ 51,000	0		
+ 658,28	+ 8,200,000	+ 1,960,000	0	0	0	0	+ 284,87	+ 2,460,000	+ 375,000	- 181,000	0		
- 536,72	- 7,100,000	+ 1,310,000	+ 2,700,000	- 1,120,000	+ 640,000	+ 330,000	- 49,53	- 515,000	+ 120,000	+ 166,000	- 56,000	+	+
- 169,28	+ 2,060,000	+ 2,080,000	- 660,000	- 380,000	- 190,000	+ 111,000	+ 216,12	- 1,740,000	- 1,740,000	+ 552,000	+ 520,000	+	-
\sum S d p	- 9,690,000	+ 4,030,000	+ 2,040,000	- 1,500,000	+ 450,000	+ 441,000	\sum S d p	+ 780,000	- 969,000	+ 588,000	+ 464,000		
+ 22,92	+ 88,000	+ 56,500	0	0	0	0	- 21,56	- 59,000	- 17,900	0	0	0	0
- 55,23	- 230,000	- 65,000	0	0	0	0	- 8,16	- 24,000	- 2,660	0	0	0	0
+ 56,25	+ 252,000	- 43,000	- 70,500	+ 30,100	+ 22,600	+ 9,500	- 6,69	- 21,600	+ 5,150	+ 6,100	- 3,050	- 3,900	+ 800
+ 24,83	- 104,000	- 98,000	+ 29,000	+ 14,500	- 9,300	+ 4,400	- 21,84	+ 66,000	+ 58,000	- 18,500	- 10,600	+ 11,900	+ 2,800
\sum S d p	- 6,000	- 149,500	- 41,500	+ 44,600	+ 13,300	+ 13,900	\sum S d p	- 38,600	+ 42,590	- 12,400	- 13,650	+ 9,000	+ 3,600
+ 189,4	+ 2,200,000	+ 490,000	0	0	0	0	+ 193,7	+ 1,550,000	+ 735,000	+ 134,000	0		
+ 270,8	+ 3,320,000	+ 800,000	0	0	0	0	+ 302,4	+ 2,640,000	+ 400,000	- 194,000	0		
- 236,9	- 3,150,000	+ 580,000	+ 1,200,000	- 495,000	+ 280,000	+ 146,000	- 44,3	- 4,560,000	+ 1,070,000	+ 1,470,000	- 500,000		
- 185,8	+ 2,300,000	+ 2,300,000	- 730,000	- 420,000	- 210,000	+ 124,000	- 217,9	+ 1,780,000	+ 1,780,000	- 570,000	- 540,000		
\sum S d p	+ 4,670,000	+ 4,170,000	+ 470,000	- 915,000	+ 70,000	+ 270,000	\sum S d p	+ 1,410,000	+ 3,985,000	+ 840,000	- 1,040,000		
- 3,24	- 12,400	- 8,000	0	0	0	0	+ 1,2	+ 3270	+ 1,000	0	0	0	0
- 24,15	- 100,000	- 28,100	0	0	0	0	- 31,93	- 94,000	- 10,400	0	0	0	0
+ 20,13	+ 89,400	- 15,250	- 25,200	+ 10,900	+ 8,100	+ 3,350	+ 32,87	+ 106,000	- 25,400	- 30,000	+ 14,900	+ 19,100	- 3,940
+ 1,25	- 5,200	- 4,950	+ 1,450	+ 740	- 470	+ 224	+ 8,93	- 27,000	- 23,600	+ 7,600	+ 4,350	- 4,850	- 1,150
\sum S d p	- 27,200	- 56,300	- 23,700	+ 11,600	+ 7,600	+ 3,574	\sum S d p	- 11,730	- 58,400	- 22,400	+ 19,350	+ 14,250	- 5,090

		0	14°25'	43°	72°	94°35'	115°	0	28°50'	66°	108°									
proc.		+698,5	0	-111	0	0	0	+796,6	0	-137	-67	0	-3,24	0	+0,59	0	0	0	0	
		+1,600	-1600	-630	0	0	0	+1,792	-1,792	-540	0	0	-24,15	+24,15	+10,9	0	0	0	0	
comp.		-1,634	0	+950	0	-276	0	+81	-1,988	0	+1,190	0	-395	+20,13	0	-11,2	0	+2,61	0	-0,81
		-750,3	+750	+286	-240	0	-67	0	-942	+942	+226	-305	-47,5	+1,25	-1,25	-0,44	+0,25	0	-0,11	0
dib.	M_{dp}^I	-850	+495	-240	-276	-67	+81	M_{lp}^I	-850	+739	-472	-442,5	M_{dn}^I	+22,90	-0,15	+0,25	+2,61	-0,11	-0,81	
		-12,85	0	+2,3	0	0	0	-1,87	0	+0,27	0	0	+0	0	+1,2	0	-0,18	0	0	
traz.		-143,80	+143,8	+64,5	0	0	0	-160,9	+160,9	+40,2	0	0	0	0	-31,93	+31,93	+7,95	0	0	
		+122,26	0	-74	0	+17,1	0	-5,3	+154,6	0	-86,1	0	+23	0	-6,2	+22,87	0	-18,4	0	+4,9
ord.		+23,2	-23,2	-8,1	+6,5	0	-2,1	0	+40,9	-40,9	-11,5	+11,5	0	-7,35	0	+8,93	-8,93	-2,5	+2,5	0
		M_{dp}^I	+126,5	-15,3	+6,5	+17,1	-2,1	-5,3	M_{lp}^I	+120	-57,13	+11,5	+23	-7,35	-6,2	M_{dn}^I	+23,0	-13,13	+2,5	+4,9
lq3		-506,0	0	+81	0	0	0	+73,86	0	-11,6	-6,2	0								
		+659,28	-659,28	-255	0	0	0	+284,87	-284,87	-85,0	0	0								
Torroja		-536,72	0	+312	0	-91	0	+26,8	-49,53	0	+300	0	-9,8							
		-169,28	+169,28	+64	-54	0	-15,2	0	+211,12	-211,12	-51,0	+68	+16,5							
Oficina Técnica nº		M_{dv}^I	-490,0	+202	-54	-91	-15,2	+26,8	M_{lv}^I	-495,99	-117,6	+61,8	+0,7							
		+22,92	0	-4,1	0	0	0	0	-21,56	0	+3,22	0	0							
	-55,23	+55,23	+25,0	0	0	0	0	-8,16	+8,16	+2,06	0	0								
	+56,25	0	-31,6	0	+7,3	0	-2,26	-6,69	0	+3,76	0	-1	0	+0,27						
	+24,83	-24,83	-8,7	+6,9	0	-2,25	0	-21,84	+21,84	+6,1	-6,1	0	+3,9	0						
	M_{dv}^I	+30,40	-19,4	+6,9	+7,3	-2,25	-2,26	M_{lv}^I	+30,00	+15,14	-6,1	-1	+3,9	+0,27						
	+189,4	0	-30	0	0	0	0	+193,9	0	-31	-16,4	0								
	+270,8	-270,8	-105	0	0	0	0	+303,4	-303,4	-92	0	0								
	-236,9	0	+136	0	-40	0	+11,8	-441,3	0	+265	0	-88,2								
	-185,8	+185,8	+71	-59,5	0	-16,8	0	-217,9	+217,9	+52,2	-70	-10,8								
	M_{dn}^I	-85,0	+72	-59,5	-40	-16,8	+11,8	M_{ln}^I	-85,5	+194,2	-86,4	-90								

0	0
0	0
0	-1,3
-1,6	0
-1,6	-1,3

No se hacen N y O

Eduardo Torroja / 103 ord. / traz. / dtb. / comp. / proc.

Oficina Técnica nº	ord.	traz.	dtb.	comp.	proc.									
Cambio de signo al fondo clasista	+698,5	-384	-92	0	0	0	0	+796,6	-272	-62	+11	0		
	+1.600	+291	+220	0	0	0	0	+1.792	+295	+179	+52	0		
	-1.624	-250	+280	+79	-110	+21	-33	-1.988	-256	+325	+81	0		
	-750,3	+295	+178	-96	-19,5	-26,4	+5,2	-942	+310	+149	-98	-40		
	-858,7 Sdp	-48	+586	-17	-149,5	-5,4	-27,8	+346,7 Sdp	+77	+521,0	+46,0	-40		
	-12,85	+27,5	+10,1	0	0	0	0	-1,87	+3,4	+0,16	0	0	0	0
	-143,80	-149,0	+121,0	0	0	0	0	-160,9	-136,0	-78,0	0	0	0	0
	+132,36	+95,0	-118,0	-26,5	+35	+8,5	+10,7	+154,6	+96,0	-121,0	-69,0	+39,5	+17,1	-10,6
	+23,3	-47	-26	+13,5	+2,2	-4,2	+0,7	+40,9	-70,0	+5,5	+20,0	+3,8	-12,6	-1,0
	-0,99,7 Sdp	-73,5	-12,9	-13,0	+37,2	+4,3	+11,4	+37,7 Sdp	-106,6	-193,24	-89,0	+42,3	+4,5	-11,6
	-506	+205	+67	0	0	0	0	+73,86	-25,2	-5,8	+1,04	0		
	+659,28	+120	+90	0	0	0	0	+284,87	+47,0	+28,5	+8,25	0		
	-536,72	-82	+92	+26	-36	+7	-10,7	-49,53	-6,4	+8,1	+2,00	0		
	-169,28	+67	+40	-21,5	-4,4	-5,9	+1,2	+211,12	-69,0	-33	+22,00	+8,9		
	-552,7 Sdp	+310,0	+289,0	+4,5	-40,4	+1,1	-9,5	+529,72 Sdp	-53,6	-2,2	+33,29	+2,9		
+22,92	-49	-18	0	0	0	0	-21,56	+39	+1,85	0	0	0	0	
-55,23	-57,5	+47	0	0	0	0	-8,16	-6,9	-3,9	0	0	0	0	
+56,25	+41	-50	-11,3	+15	+3,6	+4,6	-6,69	-4,1	+5,2	+4,8	-1,7	-0,75	+0,46	
+24,83	-50	-27	+14,1	+2,0	-4,5	+0,7	-21,84	+37,5	-2,95	-10,6	-2,05	+6,80	+0,55	
+48,77 Sdp	-115,5	-48,0	+2,8	+17,3	-0,9	+5,3	-58,25 Sdp	+65,5	+1,80	-5,8	-3,75	+6,05	+1,01	
+189,4	-77	-25	0	0	0	0	+193,7	-67	-15,4	+2,72	0			
+270,8	+49	+37	0	0	0	0	+303,4	+50	+30,3	+8,8	0			
-236,9	-36	+41	+11,4	-15,8	+31	-4,7	-445,2	-57	+72,0	+17,0	0			
-185,8	+74	+44	-23,5	-4,8	-6,5	+1,2	-217,9	+71	+34	-22,6	-9,1			
+37,5 Sdp	+10,0	+97,0	-12,1	-20,6	-3,4	-3,4	-169,7 Sdp	-3,0	+120,9	+5,92	-9,1			
-3,24	+7,0	+2,6	0	0	0	0	+1,2	-2,0	-0,1	0	0	0	0	
-24,15	-25,0	+20,5	0	0	0	0	-31,97	-27,1	-15,5	0	0	0	0	
+20,13	+14,4	-17,9	-4	+5,3	+1,2	+1,6	+32,87	+20,5	-26	-23,2	+8,4	+3,65	-2,25	
+1,25	-2,5	-1,4	+0,7	+1,1	-2,2	+3,6	+8,93	-15,5	+1,2	+4,0	+0,8	-2,80	-0,22	
-6,4 Sdp	-6,1	+3,2	-3,8	+6,4	-1,0	+5,2	+107,8 Sdp	-24,1	-40,4	-10,2	+0,2	+0,85	-0,47	

proc.

comp.

dib.

traz.

ord.

k3

Eduardo Torroja Oficina Técnica nº

+698,5	+31,000	+13,300	0	0	0	0	+796,6	+34,600	+8,400	-96	0							
+1,600	-1,600	-12,100	0	0	0	0	+1,792	-2,700	-13,200	-6,650	0							
-1,634	+69,000	+26,000	-22,100	+210	-6,200	-60	-1,988	+84,000	+20,700	-26,900	-4,500							
-750,3	-568	-18,500	+181	+5400	+51	-1600	-942	+780	-23,600	-250	+7,600							
T ¹¹ _{dp}	+97,830	+8,7000	-21,919	+5,610	-6,149	-1,660	T ¹¹ _{dp}	-311,4	+35,280	+7,700	-33,846	+2,100						
-12,85	-595	-260	0	0	0	0	-1,87	-84,7	-30,5	0	0	0	0					
-143,80	+445	+1400	0	0	0	0	-160,9	+369,0	+1,150,0	0	0	0	0					
+132,26	-5,350	-1,670	+1500	-46,5	-48	-14,4	+154,6	-6,400,0	-1,680,0	+1800,0	-47,0	-11,6	+125,0					
+23,30	+68,5	+550	-17,8	-130	+5,7	-38,0	+40,9	+82,0	+975,0	-93,0	-356,0	+14,9	+68,0					
T ¹¹ _{dp}	-5,436,5	+1,140,0	+1,482,2	-176,5	-42,3	-58,4	T ¹¹ _{dp}	+32,73	-6,033,7	+484,5	+1,776,8	-203,0	+3,3	+193,0				
-506	-22500	-9,000	0	0	0	0	+73,86	+3,200	+480,0	-8,9	0							
+659,28	-660	-4,900	0	0	0	0	+284,87	-430,0	-2,180,0	-1,060,0	0							
-536,72	+23,000	+8,500	-7300	+69	-2050	-20	-49,53	+2109,0	+580,0	-670,0	-188,0							
-169,28	-127	-4,200	+41	+1210	+11,5	-360	+211,12	-175,0	+5,300,0	+56,0	-1710,0							
T ¹¹ _{dp}	-387,0	-9,600,0	-7,259,0	+1979,0	-2,038,5	-380,0	T ¹¹ _{dp}	+520,30	+4,695,0	+4,480,0	-1,682,9	-1,732,0						
+2292	+1050	+460	0	0	0	0	-21,56	-980,0	-235,0	0	0	0	0					
-55,23	+170	+540	0	0	0	0	-8,16	+18,6	+58,0	0	0	0	0					
+56,25	-2,280	-710	+640	-20	-30,6	-6,1	-6,69	+278,0	+70,0	-78,0	+2,05	+50,0	-5,42					
+24,83	+67,5	+590	-19	-136	+6,1	-40,0	-21,84	-44,0	-580,0	+12,4	+137,0	-8,00	-36,00					
T ¹¹ _{dp}	-992,5	+880,0	+62,1	-156,0	-14,5	-46,10	T ¹¹ _{dp}	-58,25	-727,4	-628,0	-65,6	+139,05	+42,0	-41,62				
+189,4	+8,400	+3,650	0	0	0	0	+193,7	+8,450,0	+2,060,0	-23,4	0							
+270,8	-272	-2,050	0	0	0	0	+202,4	-460,0	-2,270,0	-1140,0	0							
-236,9	+10,000	+3,750	-3,220	+300	-900	-8,8	-441,3	+1,860,0	+4,600,0	-5,950,0	-1,000,0							
-185,8	-141	-4,610	+45	+1350	+12,6	-395	-217,9	+180,0	-5,430,0	-57,5	+1,750,0							
T ¹¹ _{dp}	+17,987,0	+749,00	-2,175,0	+1,650,0	-887,4	-403,8	T ¹¹ _{dp}	-162,1	+10,030,0	-1,040,0	-7,170,9	+750,0						
-3,24	-150	-65,5	0	0	0	0	+1,2	+550	+12,2	0	0	0	0					
-24,15	+74,5	+235	0	0	0	0	-21,90	+72,5	+228,0	0	0	0	0					
+20,13	-820,0	-256	+228	-7,1	-7,4	-2,2	+22,87	-1260,0	-340,0	+380,0	-10,0	-215,0	+26,5					
+1,25	+3,4	+29,6	-9,96	-6,9	+0,31	-2,04	+8,93	+18,0	+212,0	-50,5	-55,5	+82,5	+14,8					
T ¹¹ _{dp}	-820,1	-56,9	+227,04	-14,0	-7,09	-4,24	T ¹¹ _{dp}	+11,07	-1214,5	+113,00	+329,5	-65,5	-212,5	+41,3				

proc.

comp.

dib.

traz.

ord.

103

Eduardo Torroja
Oficina Técnica nº

+698,5	-650	-152	0	0	0	0
+1.600	+1470	+810	0	0	0	0
-1.684	+1540	+340	-490	-256	-131	+78
-750,3	+720	-141	-230	+113	-65	-35
Q_{dp}^{11}	+3.080,0	+257,0	-720,0	-143,0	-196	+43
-12,85	+36,0	+9,4	0	0	0	0
-142,80	-430,0	-264,0	0	0	0	0
+132,36	-380,0	-214,0	+106	+46	-34,5	+14,4
+23,0	-62,5	+15,9	+17,5	-8,8	-5,6	-2,7
Q_{dp}^{11}	-836,5	-452,7	+193,5	+37,2	-40,1	+11,7
-506	+475	+111	0	0	0	0
+659,28	+600	+331	0	0	0	0
-536,72	+505	+111	-161	-84	-43	+26
-167,28	+161	-32	-52	+25,4	-14,5	-8
Q_{dv}^{11}	+1741,0	+531,0	-213,0	-58,6	-57,5	+18,0
+22,92	-64,2	-16,0	0	0	0	0
-55,23	-165,0	-102,0	0	0	0	0
+56,25	-164,0	-91,0	+45,8	+20,0	-14,6	+6,10
+24,83	-66,0	+16,6	+18,6	-9,3	-6,0	-2,85
Q_{dv}^{11}	-459,9	-192,4	+64,4	+10,7	-20,6	+3,85
+189,4	-178	-41	0	0	0	0
+270,8	+250	+136	0	0	0	0
-236,9	+221	+49	-71	-37	-19	+11,4
-185,8	+178	-35	-57	+28	-16	-8,7
Q_{dn}^{11}	+471,0	+109,0	-132,0	-9,0	-35	+9,7
-3,24	+92	+2,4	0	0	0	0
-24,15	-72,0	-44,5	0	0	0	0
+20,13	-58,0	-32,2	+16,3	+7,0	-5,2	+2,2
+1,25	-2,35	+0,84	+0,94	-0,47	-0,3	-0,14
Q_{dn}^{11}	-124,15	-73,46	+17,24	+0,53	-5,5	+3,06

+796,6	-520	-82	+41,5	0		
+1.772	+1090	+520	+102	0		
-1.988	+1.300	+1.200	-418	-365		
-942	+710	-205	-226	+90		
Q_{dp}^{11}	+2.570,0	+1.433,0	-500,5	-275		
-1,87	+3,75	+0,37	0	0	0	0
-160,9	-330,0	-121,0	0	0	0	0
+154,6	-312,0	-253,0	+79	+47	-56,5	-12,4
+40,9	-82,0	+25,8	+21	-12,5	-14,9	+3,3
Q_{dp}^{11}	-720,25	-357,83	+100,0	+34,5	-71,4	-9,1
+73,86	-47,5	-7,7	+3,8	0		
+284,87	+174	+83	+16,4	0		
-49,53	+32,6	+30	-10,4	-9,1		
+211,12	-158,0	+45,5	+51,0	-20		
Q_{dv}^{11}	-0,9	+150,8	+60,8	-29,1		
-21,56	+43,5	+4,3	0	0	0	0
-8,16	-16,6	-6,7	0	0	0	0
-6,69	+13,5	+11,0	-3,45	-2,0	+2,45	+0,54
-21,84	+44,0	-13,6	-11,1	+6,7	+7,90	-1,76
Q_{dv}^{11}	+24,8	-5,0	-14,55	+4,7	+10,35	-1,22
+192,7	-120	-20,2	+10,0	0		
+301,4	+186	+88	+17,4	0		
-441,3	+294	+270	-93	-81		
-217,7	+164	-47	-52	+20,6		
Q_{dn}^{11}	+514,0	+290,8	-117,6	-60,4		
+1,2	-2,4	-0,24	0	0	0	0
-31,90	-64,2	-26,0	0	0	0	0
+3287	-67,0	-53,4	+17,0	+10	-12	-2,6
+8,93	-18,0	+5,6	+4,6	-2,7	-3,25	+0,7
Q_{dn}^{11}	-181,6	-74,04	+21,6	+7,3	-15,25	+1,9

proc.

comp.

db.

traz.

ord.

193

Eduardo Torroja

Oficina Técnica nº

+698.5	- 81.0	- 2.1	—	—	—	—
+1.600	+ 480.0	+ 572.0	—	—	—	—
-1.634	+ 490.0	+ 465.0	- 157.0	+ 32.0	- 44.0	- 9.8
-750.3	- 90.0	- 164.0	+ 28.5	+ 36.2	+ 7.50	- 11.3
N ^I _{dp}	+789.0	+ 970.9	- 128.5	+ 67.2	- 36.5	- 21.1
- 12.85	+ 2.7	- 1.1	—	—	—	—
-143.80	- 76.5	+ 48.0	—	—	—	—
+182.36	- 68.0	- 7.50	+ 19.0	- 3.83	- 6.10	- 1.20
+ 23.30	+ 5.13	+ 8.50	- 1.45	- 1.56	+ 0.46	- 0.49
N ^{II} _{dp}	- 186.62	+ 47.90	+ 17.55	- 5.39	- 5.64	- 1.69
- 506.0	+ 66.0	+ 1.62	—	—	—	—
+659.28	+ 198.0	+ 235.00	—	—	—	—
-536.72	+ 162.0	+ 154.0	- 51.8	+ 10.20	- 14.5	- 3.25
-169.98	- 20.3	- 37.0	+ 6.4	+ 8.10	+ 1.69	- 2.53
N ^I _{du}	+ 465.7	+ 353.62	- 45.4	+ 12.20	- 12.21	- 5.72
+ 22.92	- 4.25	+ 1.95	—	—	—	—
-52.23	- 29.50	+ 18.5	—	—	—	—
+56.25	- 29.00	- 3.20	+ 8.05	- 1.62	- 2.60	- 0.51
+24.83	+ 5.43	+ 9.0	- 1.54	- 1.67	+ 0.50	- 0.52
N ^{II} _{du}	- 57.92	+ 26.25	+ 6.57	- 3.29	- 2.10	- 1.02
+189.4	- 24.6	- 0.57	—	—	—	—
+270.2	+ 81.2	+ 97.00	—	—	—	—
-236.9	+ 71.0	+ 67.0	- 227.0	+ 4.5	- 6.4	- 1.41
-185.2	- 22.3	- 40.5	+ 7.0	+ 9.0	+ 1.2	- 2.20
N ^I _{dn}	+105.3	+ 122.9	- 220.0	+ 13.5	- 4.6	- 4.21
- 3.24	+ 0.62	- 0.28	—	—	—	—
-24.15	- 12.00	+ 8.15	—	—	—	—
+20.13	- 10.40	- 1.15	+ 2.90	- 0.52	- 0.93	- 0.18
+ 1.25	+ 0.275	+ 0.43	- 0.08	- 0.08	+ 0.03	- 0.03
N ^{II} _{dn}	- 23.45	+ 7.18	+ 2.22	- 0.66	- 0.90	- 0.21

+796.6	- 118.0	+ 7.2	+ 23.0	—	—	—
+1.792	+ 605.0	+ 226.0	+ 21.5	—	—	—
-1.988	+ 730.0	+ 99.0	- 227.0	+ 192.8	—	—
- 942	- 133.0	- 235.0	+ 42.5	+ 76.5	—	—
N ^{II} _{dp}	+1,084.0	+ 97.2	- 150.00	+ 265.3	—	—
-1.27	+ 0.46	- 0.06	—	—	—	—
-160.9	- 100.0	- 30.8	—	—	—	—
+154.6	- 95.0	- 4.22	+ 26.5	- 5.9	- 17	+ 15.5
+ 40.9	+ 10.5	+ 17.2	- 2.27	- 3.8	+ 1.27	+ 1.02
N ^{II} _{dp}	- 124	- 18	+ 23.63	- 9.7	- 15.13	+ 16.52
+728.6	- 11.00	+ 0.6	+ 2.15	—	—	—
+284.27	+ 97.0	+ 36.0	+ 34.0	—	—	—
- 49.23	+ 18.5	+ 2.5	- 5.85	+ 0.49	—	—
+211.12	+ 29.6	+ 54.0	- 9.5	- 17.2	—	—
N ^I _{du}	+134.1	+ 93.1	- 9.80	- 16.71	—	—
-21.56	+ 5.5	- 0.65	—	—	—	—
- 8.16	- 5.1	- 1.53	—	—	—	—
- 6.69	+ 4.15	+ 0.19	- 1.15	+ 0.25	+ 0.74	- 0.06
-21.24	- 5.7	- 9.2	+ 1.57	+ 2.04	- 1.00	- 0.55
N ^{II} _{du}	- 1.15	- 11.19	+ 0.42	+ 2.29	- 0.20	- 0.61
+192.7	- 29.0	+ 1.75	+ 2.6	—	—	—
+202.4	+ 104.0	+ 28.5	+ 2.65	—	—	—
-441.3	+ 164.0	+ 22.0	- 52.2	+ 4.41	—	—
-217.9	- 20.5	- 55.5	+ 9.8	+ 17.7	—	—
N ^{II} _{dn}	+208.5	+ 6.78	- 25.15	+ 22.17	—	—
+ 1.2	- 0.2	+ 0.04	—	—	—	—
-21.93	- 19.7	- 6.0	—	—	—	—
+22.27	- 20.2	- 0.92	+ 5.6	- 1.24	- 2.6	+ 0.32
+ 8.92	+ 2.23	+ 3.72	- 0.64	- 0.23	+ 0.41	+ 0.22
N ^{II} _{dn}	- 27.27	- 3.16	+ 4.96	- 2.07	- 3.19	+ 0.54

Cambio de signo en el borde derecho