

Mixed Structures

This is for structures not just articulated or just reticulated.

It is very similar to the reticulated structures spreadsheet; the only difference it is that in this case in the row 6 we can write:

- “ae”: if the beam has the frontal node articulated, and the dorsal node is rigid.
- “ea”: if the beam has the frontal node rigid, and the dorsal node is articulated.
- We write nothing if both ends of the beam are rigid.
- If both end of the beam are articulated (struts) we write nothing and we put Inertia 0.

	B_Barraa	C_Barrab	D_Barrac	E_Barrad
1	500 000	500 000	500 000	100
2	10 000	10 000	10 000	0
3	4	5	4	1
4	0	1	0	0.70710
5	1	0	1	0.70710
6	ea		ae	
7	[468.75, 0,	[100 000, 0,	[468.75, 0,	[50.000
8	[-468.75, 0,	[-100 000, 0,	[-468.75, 0,	[-50.000
9	[-468.75, 0,	[-100 000, 0,	[-468.75, 0,	[-50.000
10	[468.75, 0,	[100 000, 0,	[468.75, 0,	[50.000
a12: ^{CAS} =when(B6=ae,[[B4,-B5,0],[B5,B4,0],[0,0,1]]*[
Editor Form. Ir a Selec. Ir ↓ Mostr.				

Rigid-articulated

Rigid-rigid

Articulated-rigid

articulated-articulated