

Poutres 2D

Nbre noeuds 4

Nbre éléments 4

Nbre forces ponct. 1

Nbre réactions 2

Noeuds	x [mm]	y [mm]
1	0,000	0,000
2	-259,200	269,900
3	281,400	284,300
4	-345,200	392,800

Éléments	Noeud 1	Noeud 2	Young [N/mm2]	Section [mm2]	Inertie w [mm4]
1	1	2	200000	126,000	12103
2	2	3	200000	126,000	12103
3	1	3	200000	126,000	12103
4	4	2	200000	126,000	12103

Fibre Ext/v [mm]	Densité
20,000	7,800
20,000	7,800
20,000	7,800
20,000	7,800

F. Ponct.	Noeud	Fx [N]	Fy [N]	Mz [N.mm]
1	1	0,000	1000,000	0

React.	Noeud	Rx	Ry	RMz
1	2	1	1	0
2	4	1	1	0

Déplts	dx [mm]	dy [mm]	dMz
1	3,207	3,090	0,013
2	0,000	0,000	0,005
3	-0,172	6,430	0,013
4	0,000	0,000	-0,003

Contr.	normale [N/mm2]	Tranchant [N/mm2]	Flexion max [N/mm2]
1	-3,931	4,199	249,005
2	-0,247	2,200	179,319
3	-1,343	1,760	78,189
4	0,000	13,714	428,324

von Mises [N/mm2]
253,040
179,607
79,590
428,982

React.	Noeud	Rx [N]	Ry [N]	Rz [N.mm]
1	2	-1415,782	-1990,702	0
2	4	1415,782	990,702	0