

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

Eléments	Noeud 1	Noeud 2	Young [N/mm2]	Section [mm2]	Inertie w [mm4]
1	1	2	200000	126,000	12103
2	4	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	2,395	2,309	0,009
2	0,000	0,000	0,002
3	0,687	3,999	0,006
4	0,000	0,000	0,000

Contr.	normale [N/mm2]	Tranchant [N/mm2]	Flexion max [N/mm2]
1	-3,228	5,164	272,105
2	-1,814	1,747	154,482
3	-0,396	2,487	130,285
4	0,000	13,659	272,105

von Mises [N/mm2]
275,478
156,325
130,752
273,132

React.	Noeud	Rx [N]	Ry [N]	Rz [N.mm]
1	2	-1597,682	-1730,755	0
2	4	1597,682	730,755	0