

## 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	-1000,000	0,000	0

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

Déplts	dx [mm]	dy [mm]	dMz
1	-3,359	-3,207	-0,014
2	0,000	0,000	-0,006
3	0,179	-6,705	-0,013
4	0,000	0,000	0,003

Contr.	normale [N/mm2]	Tranchant [N/mm2]	Flexion max [N/mm2]
1	-7,342	4,361	259,369
2	0,233	2,282	186,636
3	1,410	1,809	80,397
4	0,000	14,280	446,005

von Mises [N/mm2]
266,818
186,911
81,867
446,690

React.	Noeud	Rx [N]	Ry [N]	Rz [N.mm]
1	2	2474,227	1031,599	0
2	4	-1474,227	-1031,599	0