

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	-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	-2,516	-2,395	-0,009
2	0,000	0,000	-0,003
3	-0,717	-4,175	-0,007
4	0,000	0,000	-0,000

Contr.	normale [N/mm2]	Tranchant [N/mm2]	Flexion max [N/mm2]
1	-8,078	5,371	283,642
2	1,870	1,814	160,845
3	0,418	2,571	134,857
4	0,000	14,232	283,642

von Mises [N/mm2]
291,868
162,745
135,349
284,711

React.	Noeud	Rx [N]	Ry [N]	Rz [N.mm]
1	2	2662,371	762,728	0
2	4	-1662,371	-762,728	0