

Solucions amb MATLAB: PontBarres.m (FemBar2D.m modificat)

NODAL SOLUTION PER NODE

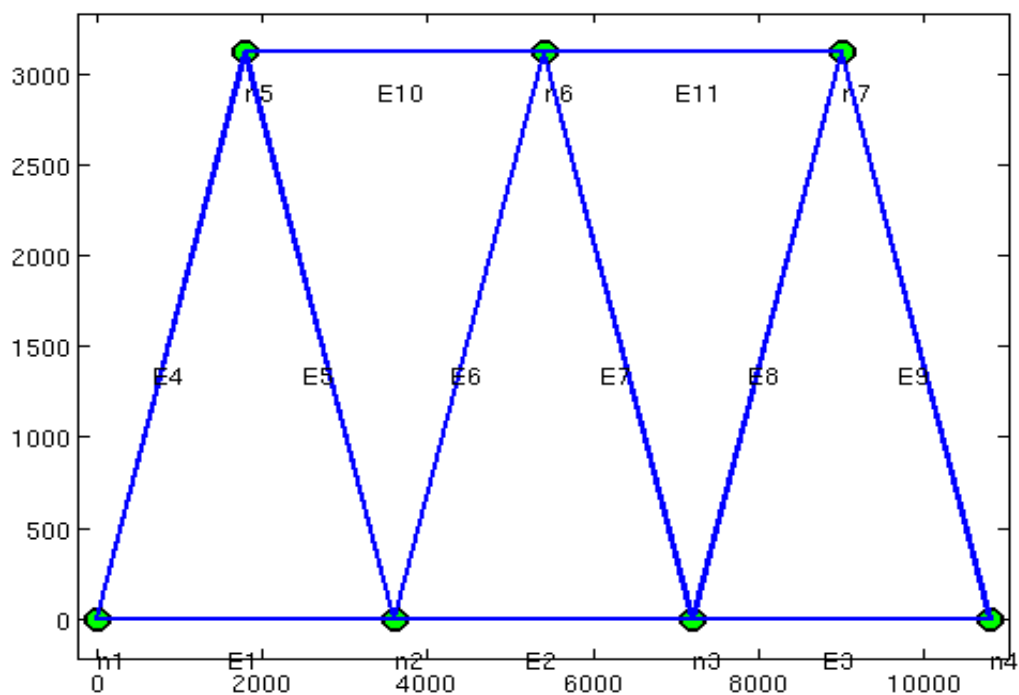
NODE	UX	UY
1	0.0000	0.0000
2	0.7461	-6.5764
3	2.3130	-6.9928
4	3.1337	0.0000
5	3.0839	-3.5036
6	1.5917	-7.2369
7	-0.0497	-3.7333

REACTION SOLUTIONS PER NODE

NODE	FX	FY
1	0.0	0.51333E+06
4	0.0	0.61667E+06

AXIAL STRESS

ELEM	TAXL
1	41.4508
2	87.0467
3	45.5959
4	-82.9016
5	82.9016
6	-8.2902
7	8.2902
8	91.1917
9	-91.1917
10	-82.9016
11	-91.1917



Soluciones amb ANSYS: PontBarres.db

PRINT U NODAL SOLUTION PER NODE

***** POST1 NODAL DEGREE OF FREEDOM LISTING *****

LOAD STEP= 1 SUBSTEP= 1
TIME= 1.0000 LOAD CASE= 0

THE FOLLOWING DEGREE OF FREEDOM RESULTS ARE IN THE GLOBAL COORDINATE SYSTEM

NODE	UX	UY	UZ	USUM
1	0.0000	0.0000	0.0000	0.0000
2	3.0839	-3.5036	0.0000	4.6675
3	0.74611	-6.5764	0.0000	6.6186
4	2.3130	-6.9928	0.0000	7.3654
5	1.5917	-7.2369	0.0000	7.4099
6	3.1337	0.0000	0.0000	3.1337
7	-0.49741E-01	-3.7333	0.0000	3.7337

MAXIMUM ABSOLUTE VALUES

NODE	6	5	0	5
VALUE	3.1337	-7.2369	0.0000	7.4099

PRINT REACTION SOLUTIONS PER NODE

***** POST1 TOTAL REACTION SOLUTION LISTING *****

LOAD STEP= 1 SUBSTEP= 1
TIME= 1.0000 LOAD CASE= 0

THE FOLLOWING X,Y,Z SOLUTIONS ARE IN THE GLOBAL COORDINATE SYSTEM

NODE	FX	FY
1	0.52387E-09	0.51333E+06
6		0.61667E+06

TOTAL VALUES

VALUE 0.52387E-09 0.11300E+07

PRINT ELEMENT TABLE ITEMS PER ELEMENT

***** POST1 ELEMENT TABLE LISTING *****

STAT	CURRENT
ELEM	LS1
1	-82.902
2	82.902
3	41.451
4	87.047
5	-8.2902
6	8.2902
7	45.596
8	91.192
9	-91.192
10	-82.902
11	-91.192

MINIMUM VALU

ELEM 11
VALUE -91.192

MAXIMUM VALUES

ELEM 8
VALUE 91.192

