

Portal Frame Structural Analysis Report

Node Displacements

Node	u (m)	v (m)	theta (rad)
1.000000	-0.036565	0.000000	0.000000
2.000000	-0.032511	-0.000011	-0.001351
3.000000	-0.029256	-0.003274	-0.000079
4.000000	-0.025997	-0.000009	0.001671
5.000000	-0.015972	0.000000	0.001671

Member Forces

Element	F1	F2	M1	F3	F4	M2
1	28.003	0.000	18.016	-28.003	-0.000	-18.016
2	19.801	19.801	18.016	-19.801	-19.801	65.992
3	15.554	-15.554	-65.992	-15.554	15.554	0.000
4	21.997	0.000	0.000	-21.997	0.000	0.000