PyNite Analysis Report

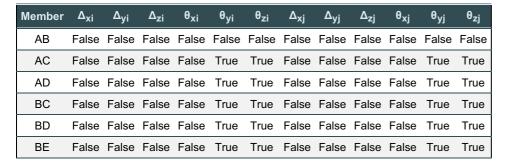
Nodes & Supports

Node	Х	Υ	Z	Support X	Support Y	Support Z	Support RX	Support RY	Support RZ
Α	1.1	-0.4	0	False	False	False	False	False	False
В	1	0	0	False	False	False	False	False	False
С	0	0	0.6	True	True	True	True	True	True
D	0	0	-0.4	True	True	True	True	True	True
Е	0	8.0	0	True	True	True	True	True	True

Members

Member	i-Node	j-Node	Α	l _y	Iz	J	E	G
AB	Α	В	7.796e-06	4.836e-12	4.836e-12	9.673e-12	2e+11	7.93e+10
AC	Α	С	7.796e-06	4.836e-12	4.836e-12	9.673e-12	2e+11	7.93e+10
AD	Α	D	7.796e-06	4.836e-12	4.836e-12	9.673e-12	2e+11	7.93e+10
ВС	В	С	7.796e-06	4.836e-12	4.836e-12	9.673e-12	2e+11	7.93e+10
BD	В	D	7.796e-06	4.836e-12	4.836e-12	9.673e-12	2e+11	7.93e+10
BE	В	Е	7.796e-06	4.836e-12	4.836e-12	9.673e-12	2e+11	7.93e+10

Member End Releases



Plates

Plate i-Node j-Node m-Node n-Node t E v

Quads

Quad i-Node j-Node m-Node n-Node t E v

Node Reactions

Node	LC	FX	FY	FZ	MX	MY	MZ
Α	Combo 1	0	0	0	0	0	0
В	Combo 1	0	0	0	0	0	0
С	Combo 1	-17	-4	10.8	0.0001296	-1.576e-05	-7.54e-05
D	Combo 1	-80.5	14	-30.8	-2.597e-05	1.009e-05	-9.378e-06
Е	Combo 1	87.5	-70	0	-3.008e-05	2.406e-05	0

Node Displacements

Node	LC	Δχ	Δ_{Y} Δ_{Z}		θχ	θΥ	θ_{Z}
Α	Combo 1	9.908e-05	0.0002234	5.708e-05	-8.188e-05	-0.0002016	0.0001791
В	Combo 1	3.159e-05	0.0001868	5.173e-06	-7.309e-05	-0.0001943	0.0001755

Node	LC	Δχ	ΔΥ	Δ_{Z}	θχ	θΥ	θ_{Z}
С	Combo 1	0	0	0	0	0	0
D	Combo 1	0	0	0	0	0	0
Е	Combo 1	0	0	0	0	0	0

Member End Forces

Member	LC	Pi	Pj	V _{yi}	V _{zi}	V _{yj}	V _{zj}	M _{yi}	Mzi	M _{yj}	M _{zj}	Ti	Tj
AB	Combo 1	72.15	72.15	0.0002056	0.0001839	0.0002056	0.0001839	1.375e- 05	3.374e- 05	- 6.208e- 05	- 5.105e- 05	-9.282e- 06	-9.282e- 06
AC	Combo 1	13.15	13.15	2.051e-19	-8.664e- 20	2.051e-19	-8.664e- 20	0	0	-1.14e- 19	- 2.698e- 19	5.183e-05	5.183e-05
AD	Combo 1	- 43.29	- 43.29	0	0	0	0	0	0	0	0	-3.121e- 05	-3.121e- 05
ВС	Combo 1	- 32.65	- 32.65	0	0	0	0	0	0	0	0	0.0001006	0.0001006
BD	Combo 1	- 45.24	- 45.24	0	0	0	0	0	0	0	0	1.925e-06	1.925e-06
BE	Combo 1	112.1	112.1	0	0	0	0	0	0	0	0	-3.852e- 05	-3.852e- 05

Member Max/Min Internal Forces

Member	LC	P _{max}	P _{min}	V _{y,max}	$V_{y,min}$	V _{z,max}	V _{z,min}	M _{y,max}	M _{y,min}	M _{z,max}	M _{z,min}	T _{max}	T _{min}
AB	Combo 1	72.15	72.15	0.0002056	0.0002056	0.0001839	0.0001839	1.375e- 05	- 6.208e- 05	3.374e- 05	- 5.105e- 05	-9.282e- 06	-9.282e- 06
AC	Combo 1	13.15	13.15	2.051e-19	2.051e-19	-8.664e- 20	-8.664e- 20	0	-1.14e- 19	0	- 2.698e- 19	5.183e-05	5.183e-05
AD	Combo 1	- 43.29	- 43.29	0	0	0	0	0	0	0	0	-3.121e- 05	-3.121e- 05
ВС	Combo 1	- 32.65	- 32.65	0	0	0	0	0	0	0	0	0.0001006	0.0001006
BD	Combo 1	- 45.24	- 45.24	0	0	0	0	0	0	0	0	1.925e-06	1.925e-06
BE	Combo 1	112.1	112.1	0	0	0	0	0	0	0	0	-3.852e- 05	-3.852e- 05

Plate Out-of-Plane Corner Forces

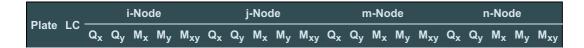
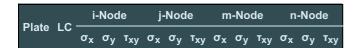


Plate Out-of-Plane Center Forces

Plate LC Q_x Q_y M_x M_y M_{xy}

In-Plane (Membrane) Corner Stresses



In-Plane (Membrane) Center Stresses

Plate LC σ_x σ_y τ_{xy}