

BUS DATA ARRAY AND LINE DATA OR NETWORK TOPOLOGY ARRAY

Busdata array:

Bus No.	Bus code	(V)	(V)	Load		Gen.		Q_{\min}	Q_{\max}
		mag (pu)	Ang deg	MW	MVar	MW	MVar		
1	1	1.06	0	0	0	0	0	0	0
2	2	1.04	0	0	0	150	0	0	140
3	2	1.03	0	0	0	100	0	0	90
4	0	1.0	0	100	70	0	0	0	0
5	0	1.0	0	90	30	0	0	0	0
6	0	1.0	0	160	110	0	0	0	0

Linedata or network topology array:

Bus To	Bus From	R (pu)	X (pu)	B / 2 (pu)
1	4	0.035	0.225	0.0065
1	5	0.025	0.105	0.0045
1	6	0.04	0.215	0.0055
2	4	0.0	0.035	0.0
3	5	0.0	0.042	0.0
4	6	0.028	0.125	0.0035
5	6	0.026	0.175	0.03

Base MVA = 100, bus data, and line data are shown in