
Lamin Jammeh EE488 SP2024

Y Admittance Matrix

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2.2436 -11.2179i -0.9615 + 4.8077i -1.2821 + 6.4103i
-0.9615 + 4.8077i 10.9615 -34.8077i -10.0000 +30.0000i
-1.2821 + 6.4103i -10.0000 +30.0000i 11.2821 -36.4103i

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Iteration	V1	V2	V3
1	1+0i	0.97981-0.036736i	0.96136-0.078769i
2	1+0i	0.94568-0.10548i	0.92945-0.13607i
3	1+0i	0.91548-0.15493i	0.90149-0.17702i
4	1+0i	0.88916-0.19018i	0.87729-0.20617i
5	1+0i	0.8665-0.21527i	0.85654-0.22697i
6	1+0i	0.84712-0.2332i	0.83886-0.2419i
7	1+0i	0.83063-0.24613i	0.82384-0.25274i
8	1+0i	0.81663-0.25556i	0.81109-0.26072i
9	1+0i	0.80475-0.26255i	0.80027-0.26668i
10	1+0i	0.79467-0.26781i	0.7911-0.27122i
11	1+0i	0.78611-0.27183i	0.7833-0.27472i
12	1+0i	0.77884-0.27496i	0.77668-0.27747i
13	1+0i	0.77266-0.27744i	0.77104-0.27967i
14	1+0i	0.76739-0.27942i	0.76623-0.28144i
15	1+0i	0.7629-0.28103i	0.76213-0.28289i
16	1+0i	0.75907-0.28235i	0.75863-0.28408i
17	1+0i	0.7558-0.28344i	0.75564-0.28506i
18	1+0i	0.753-0.28435i	0.75308-0.28589i
19	1+0i	0.7506-0.28511i	0.75088-0.28658i
20	1+0i	0.74855-0.28574i	0.74901-0.28716i
21	1+0i	0.74679-0.28628i	0.7474-0.28766i
22	1+0i	0.74528-0.28674i	0.74602-0.28808i
23	1+0i	0.74399-0.28712i	0.74483-0.28843i
24	1+0i	0.74288-0.28745i	0.74381-0.28874i
25	1+0i	0.74192-0.28773i	0.74294-0.28899i
26	1+0i	0.7411-0.28797i	0.74219-0.28921i
27	1+0i	0.7404-0.28818i	0.74154-0.2894i
28	1+0i	0.7398-0.28835i	0.74099-0.28956i
29	1+0i	0.73928-0.2885i	0.74051-0.2897i
30	1+0i	0.73883-0.28863i	0.7401-0.28982i
31	1+0i	0.73845-0.28874i	0.73975-0.28992i
32	1+0i	0.73812-0.28883i	0.73945-0.29001i
33	1+0i	0.73783-0.28892i	0.73919-0.29009i
34	1+0i	0.73759-0.28898i	0.73897-0.29015i
35	1+0i	0.73738-0.28904i	0.73877-0.2902i
36	1+0i	0.7372-0.2891i	0.73861-0.29025i
37	1+0i	0.73704-0.28914i	0.73846-0.29029i
38	1+0i	0.73691-0.28918i	0.73834-0.29033i
39	1+0i	0.73679-0.28921i	0.73824-0.29036i
40	1+0i	0.73669-0.28924i	0.73815-0.29038i

41	1+0i	0.73661-0.28926i	0.73807-0.29041i
42	1+0i	0.73654-0.28928i	0.738-0.29043i
43	1+0i	0.73647-0.2893i	0.73794-0.29044i
44	1+0i	0.73642-0.28932i	0.73789-0.29046i
45	1+0i	0.73637-0.28933i	0.73785-0.29047i
46	1+0i	0.73633-0.28934i	0.73781-0.29048i
47	1+0i	0.7363-0.28935i	0.73778-0.29049i
48	1+0i	0.73627-0.28936i	0.73775-0.2905i

_____Real Power, Reactive Power and Voltage at each Bus_____

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V(1) = 1;      P1) = 3.8;      Q(1) = 2.3
V(2) = 0.74-0.29i;      P2) = -1.5;      Q(2) = -0.3
V(3) = 0.74-0.29i;      P3) = -2;      Q(3) = -0.28
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_____Dispaly number of Iteration_____

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iterations = 48
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