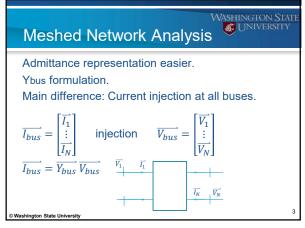


Radial Network Analysis

Individual transmission line models $\overline{I_S} \qquad \overline{V_R} \qquad \overline{V_S} = \begin{bmatrix} A & B \\ C & D \end{bmatrix} \overline{V_R} \\
\overline{I_R} \end{bmatrix}$ © Washington State University

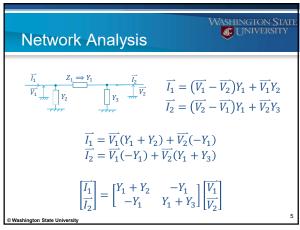
2

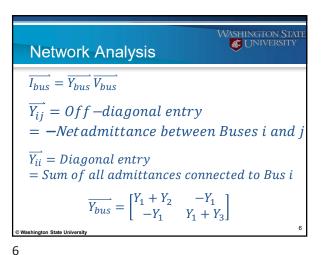


Admittance Analysis $\vec{l_1} = \vec{V_1 - V_2} = \vec{V_1} - \vec{V_2} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_2} \\
\vec{l_1} = \vec{V_1 - V_2} = \vec{V_2} - \vec{V_1} \\
\vec{l_1} = \vec{V_1 - V_2} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_1} = \vec{V_1 - V_2} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_2} - \vec{V_1} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_1} - \vec{V_2} \\
\vec{l_2} = \vec{V_2 - V_1} = \vec{V_1} - \vec{V_2} \\
\vec{l_2} = \vec{V_1} - \vec{V_2} - \vec{V_2} \\
\vec{l_2} = \vec{V_1} - \vec{V_2} - \vec{V_2} \\
\vec{l_2} = \vec{V_1} - \vec{V_2} - \vec{V_2} \\
\vec{l_3} = \vec{V_1} - \vec{V_2} - \vec{V_2} \\
\vec{l_4} = \vec{V_1} - \vec{V_2} - \vec{V_2} \\
\vec{l_4} = \vec{V_1} - \vec{V_2} - \vec{V_2} \\
\vec{l_5} = \vec{V_1} - \vec{V_2} - \vec{V_2} - \vec{V_2} \\
\vec{l_5} = \vec{V_1} - \vec{V_2} - \vec{V_2} - \vec{V_2} \\
\vec{l_5} = \vec{V_1} - \vec{V_2} - \vec{V_2} - \vec{V_2} - \vec{V_2} \\
\vec{l_5} = \vec{V_1} - \vec{V_2} - \vec{V_2}$

3

5





1

