$$S = VI$$

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$$V_{12} = \frac{V_{12}}{r_{1}jx} = \frac{V_{1}-V_{2}}{r_{1}jx}$$

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$$V_{12} = \frac{V_{12}}{r_{1}jx} = \frac{V_{12}}{r_{1}jx}$$

$$S = V^{*} \left[V \right] = \frac{V_{12}}{r_{1}jx} = \frac{V_{12}}{r_{1}jx}$$

$$S = V^{*} \left[V \right] = \frac{V_{12}}{r_{1}jx} = \frac{V_{12}}{r_{1}jx}$$

$$S = V^{*} \left[V \right] = \frac{V_{12}}{r_{1}jx} = \frac{V_{12}}{r_{1}jx}$$

$$S = V^{*} \left[V \right] = \frac{V_{12}}{r_{1}jx} = \frac{V_{12}}{r_{1}jx}$$

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$$S = V^{*} \left[V \right] = \frac{V_{12}}{r_{1}jx} =$$

1=10/15 1=10/-15

V=10+j8 V*=10-j8

$$P_{12} = V_{1} \sum_{12} Cos(\Theta_{1} - P_{12})$$

$$Q_{12} = V_{1} \sum_{12} sin(\Theta_{1} - P_{12})$$

$$V_{1}$$

$$S = V_{1}^{*}$$

$$P_{12} = e_{1}x_{1} + f_{1}y_{12}$$

$$Q_{12} = f_{1} |_{x_{12}} - e_{1} |_{y_{12}}$$

$$V_{1} = V_{1} |_{x_{12}} = e_{1} + 2f$$

$$V_{12} = V_{12} |_{x_{12}} |_{x_{12}} = e_{1} + 2f$$

$$S_{12} = V_{12} |_{x_{12}} |_{x_{12}} = e_{1} + 2f$$

$$S_{12} = e_{1}x_{1} + e_{1}y_{1} + e_{1$$

Sin + Sai = ! = rugi daya pada saluran. ASIL 6-9-2016 $S_{i} = V_{i} \sum_{j} V_{i}^{*} g_{ij}^{*} - V_{i}^{*} g_{ij}^{*} = \frac{V_{2} - V_{i}}{z_{12}} - g_{12}(V_{2} - V_{i})$ Pa= V, I, Cos (0,- P,2)

Q12 = V, I, sin (0,- \$12) VI II.2 1 12 = -[- 1/2] - VI ZI (VI YII)

- VI ZI (VI YII) 5 = [/[$P_i = f(V_i, \Theta_i, Y_{ii})$ 1 2 2 52 X,2 2 1 3 53 X,3 3 2 3 523 X23 | S, = V, 1, 1, 3 = V, ((V, - V2)4,2 + V, (V, - V3) 4,3 * 0; = f(Vi, Oi, yii) 3 $= \overline{V_{1}} \left[(\overline{V_{1}}^{*} - \overline{V_{3}}^{*}) y_{12}^{*} \right] + \overline{V_{1}} \left[(\overline{V_{1}}^{*} - \overline{V_{3}}^{*}) \overline{y_{13}}^{*} \right]$ S,= S,2 + S,3 S2 = S21 + 823 = \[\bullet \ $S_3 = S_{31} + S_{32}$ = V, V, 4, x, + V, 4, x, - (V, 4, x, + V, 4, x, x)