

# $\Delta - T - \Delta$ Conversion Equations

Given:  $\Delta$  Model

$$Z_p = \frac{Z_{ps} + Z_{pt} - Z_{st}}{2}$$

$$Z_s = \frac{Z_{ps} - Z_{pt} + Z_{st}}{2}$$

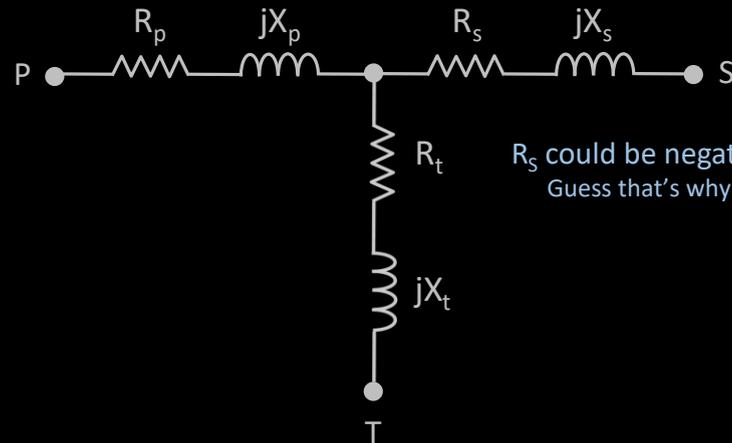
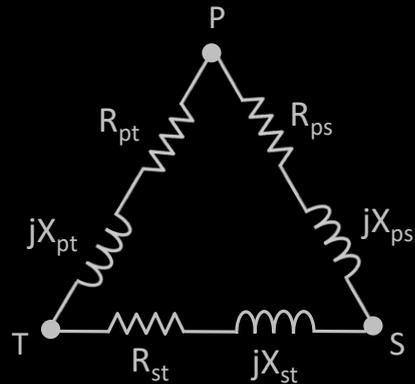
$$Z_t = \frac{-Z_{ps} + Z_{pt} + Z_{st}}{2}$$

Given: T Model

$$Z_{ps} = Z_p + Z_s$$

$$Z_{pt} = Z_p + Z_t$$

$$Z_{st} = Z_s + Z_t$$



$R_s$  could be negative!  
Guess that's why they call it modeling



ΕΦΕΕ

*Dedicated to Power Engineering*

Questions or Comments ...

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