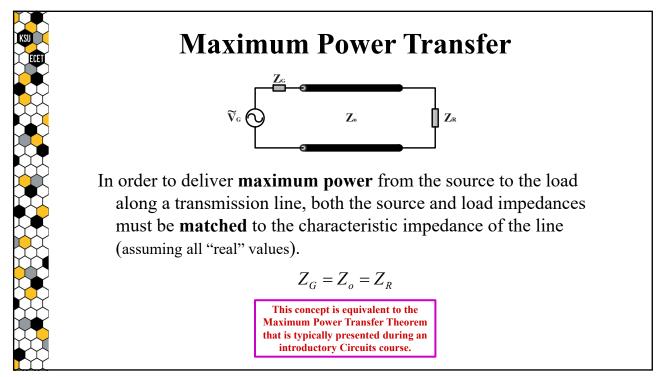
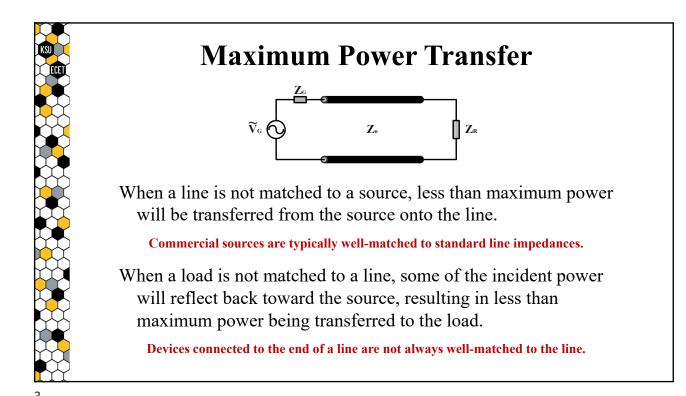
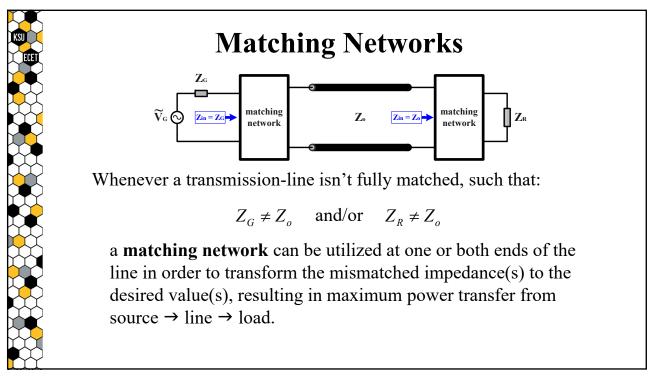
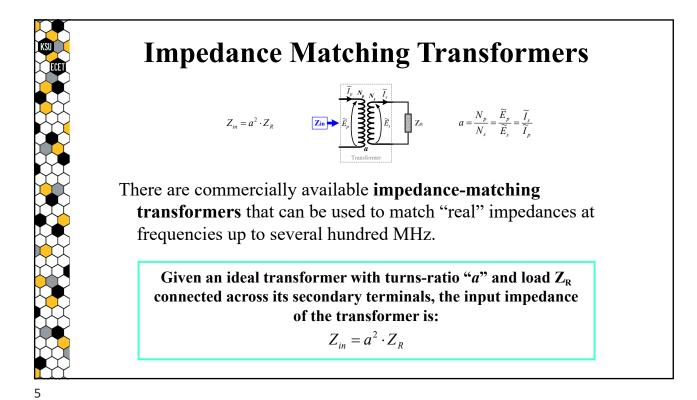
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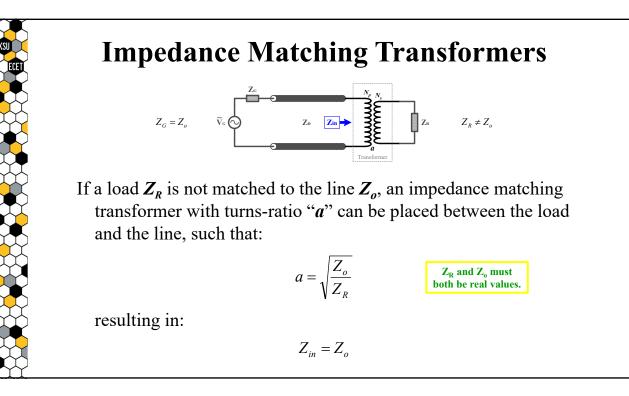
Impedance Matching

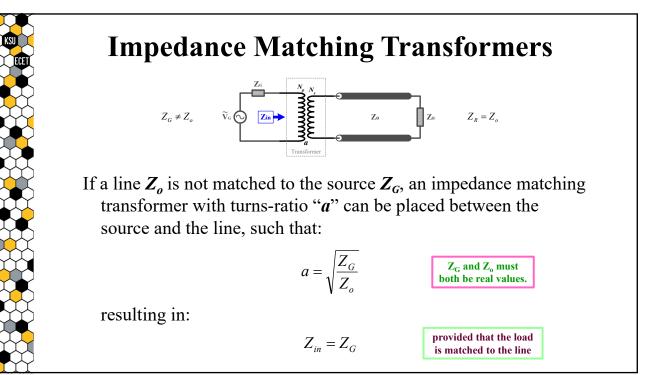


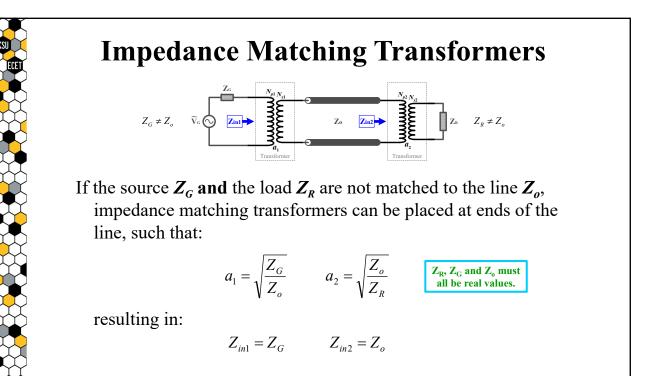


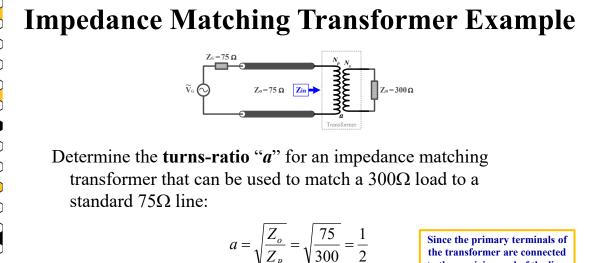






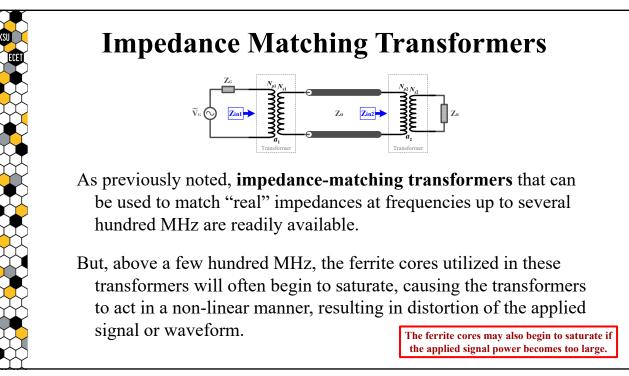


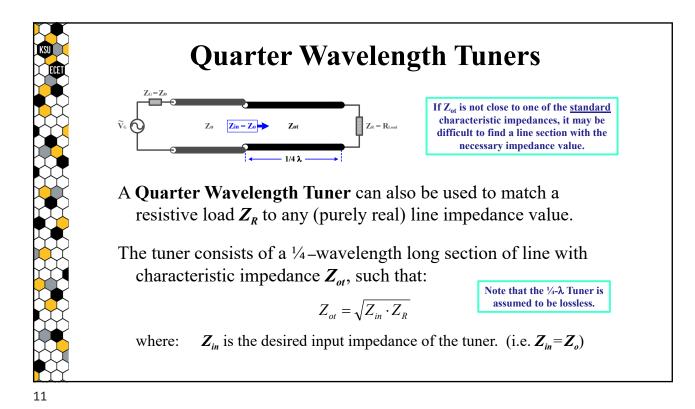


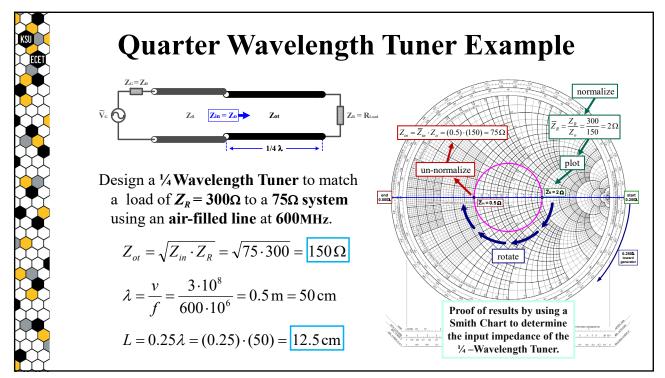


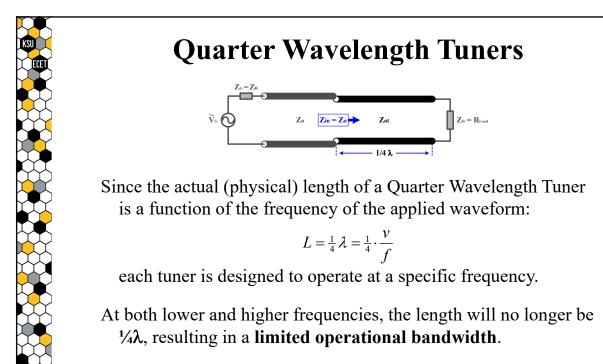
$$Z_{in} = a^2 \cdot Z_R = (\frac{1}{2})^2 \cdot 300 = 75 \,\Omega$$

Since the primary terminals of the transformer are connected to the receiving-end of the line, a matched load of 75Ω appears to be terminating the line.









Multi-Stage ¼ Wavelength Tuners v_{dist} v_{dist} <

