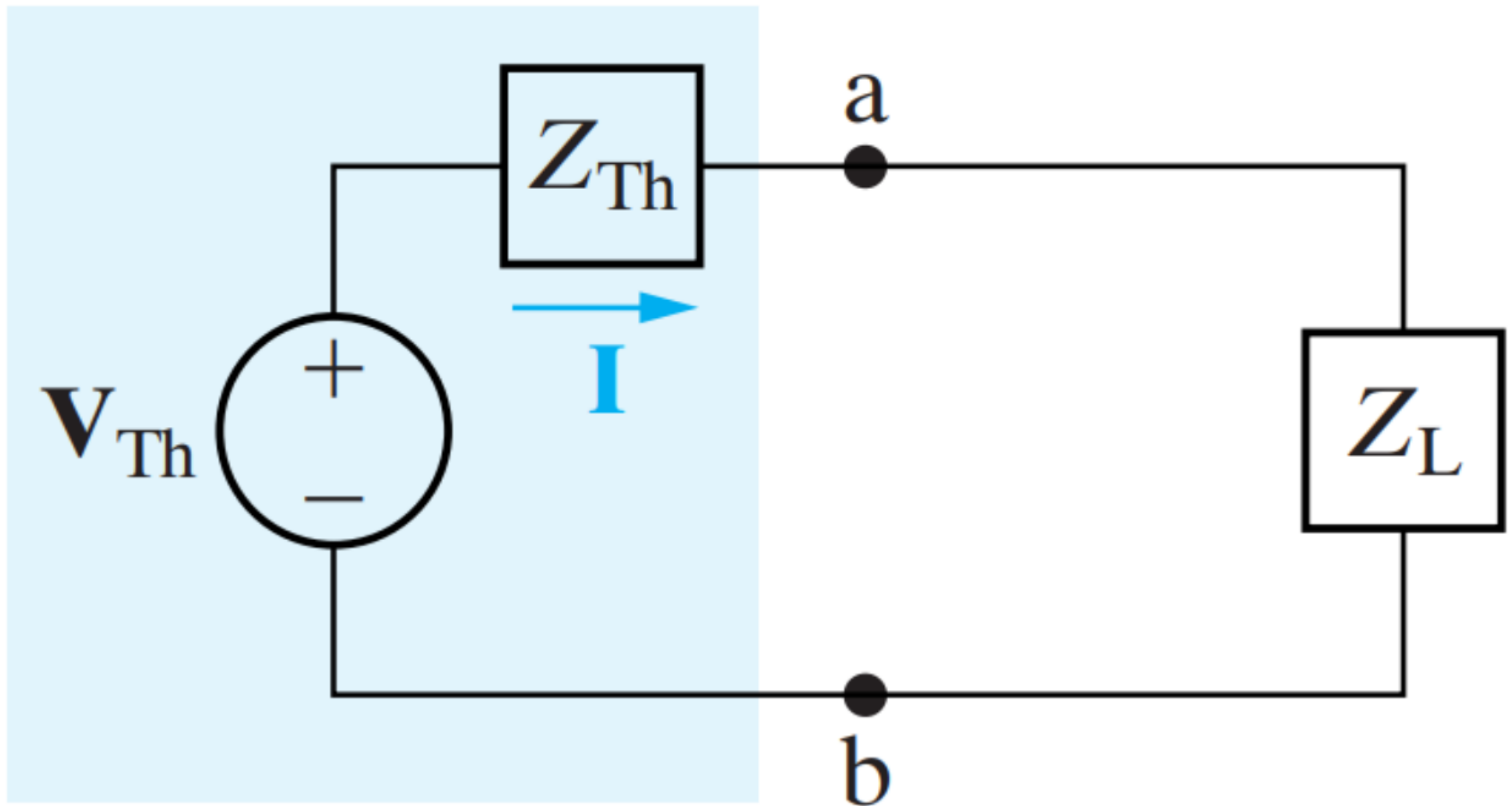


# Sinusoidal Steady-State Maximum Power Transfer Theorem

$$P_{Max} = \frac{|V_{Th,M}|^2}{8R_{Th}} = \frac{|V_{Th,RMS}|^2}{4R_{Th}}$$



Maximum power transfer occurs when the load impedance equals the conjugate of the Thévenin resistance expression.