

**FORMULARIO PARA SER UTILIZADO DURANTE EL
EXAMEN (Segundo parcial)**

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$$T_i = \frac{P_g}{\Omega_s} = \frac{3 \cdot V_{th}^2 \cdot \frac{R_R'}{S}}{\left[R_{th} + \frac{R_R'}{S} \right]^2 + [X_{th} + X_{R'}]^2} \cdot \frac{1}{\Omega_s}$$

$$T_{ARR} = \frac{3}{\Omega_s} \cdot \frac{R_R' \cdot V_{th}^2}{\left[R_{th} + R_R' \right]^2 + [X_{th} + X_{R'}]^2}$$

$$I_{ARR} = \frac{V_{th}}{\left[R_{th} + R_R' \right]^2 + [X_{th} + X_{R'}]^2}$$

$$\underline{V}_{th} = \frac{\frac{U_{2n}}{\sqrt{3}} \cdot jX_\mu}{R_s + j[X_s + X_\mu]} \quad \underline{Z}_{th} = \frac{[R_s + jX_s] \cdot jX_\mu}{R_s + j[X_s + X_\mu]}$$

$$T_{max} = \frac{3V_{th}^2}{2\Omega_s \cdot \left[R_{th} + \sqrt{R_{th}^2 + [X_{th} + X_{R'}]^2} \right]}$$

$$S_{TMAX} = \frac{R_R'}{\sqrt{R_{th}^2 + [X_{th} + X_{R'}]^2}}$$