

$$I_C = I_S e^{\frac{U_{BE}}{U_T}} \left(1 + \frac{U_{CE}}{U_Y} \right)$$

$$\frac{\partial I_C}{\partial U_{CE}} = \frac{1}{U_Y} \cdot \underbrace{I_S e^{\frac{U_{BE}}{U_T}}}_{I_C} \Big|_{AP} \Rightarrow \underline{\underline{\tau_{CE} = \frac{U_Y}{I_{C,A}}}}$$

