Analysis of BJT current mirror. alysis a out current mutual V_{CC} A_{t} R_{t} : $I_{ref} = I_{s1}e^{V_{BE}/V_{T_{1}}}$ $V_{BE} = V_{T_{1}} \ln \left(\frac{I_{ref}}{I_{s1}}\right)$ W_{Iref} I_{t} V_{B} T_{t} V_{B} T_{t} V_{B} T_{t} V_{B} T_{ref} is that it will adjust $I_{v_{BE}}$ $I_{v_{BE}}$ I_{t} V_{BE} I_{t} V_{BE} V_{AE} V_{AE $\begin{array}{rcl} A+& Q_{2}: & I_{1}=& I_{52} & e \\ & & =& I_{52} & exp \left(\frac{V_{TL}}{V_{TL}} & \ln \left[\frac{I_{ref}}{I_{51}} \right] \right) \\ & & I_{f} & V_{T1}=& V_{T2} & \left[eqnal & temperatures \right], \end{array}$ $\frac{I_1 = I_{S2} I_{ref}}{I_{S1}}$ If Is1 = Is2 [equal transistor properties] II = Iref.