BJT Amplifier Equivalent Circuits (H.10)

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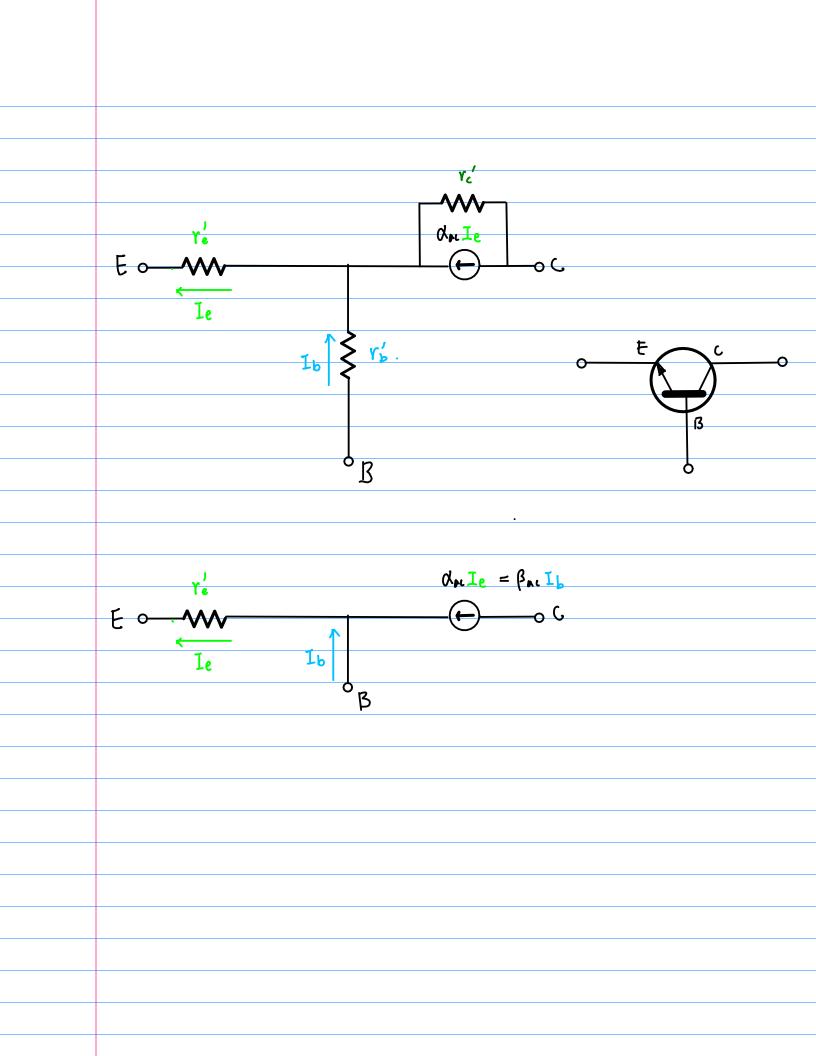
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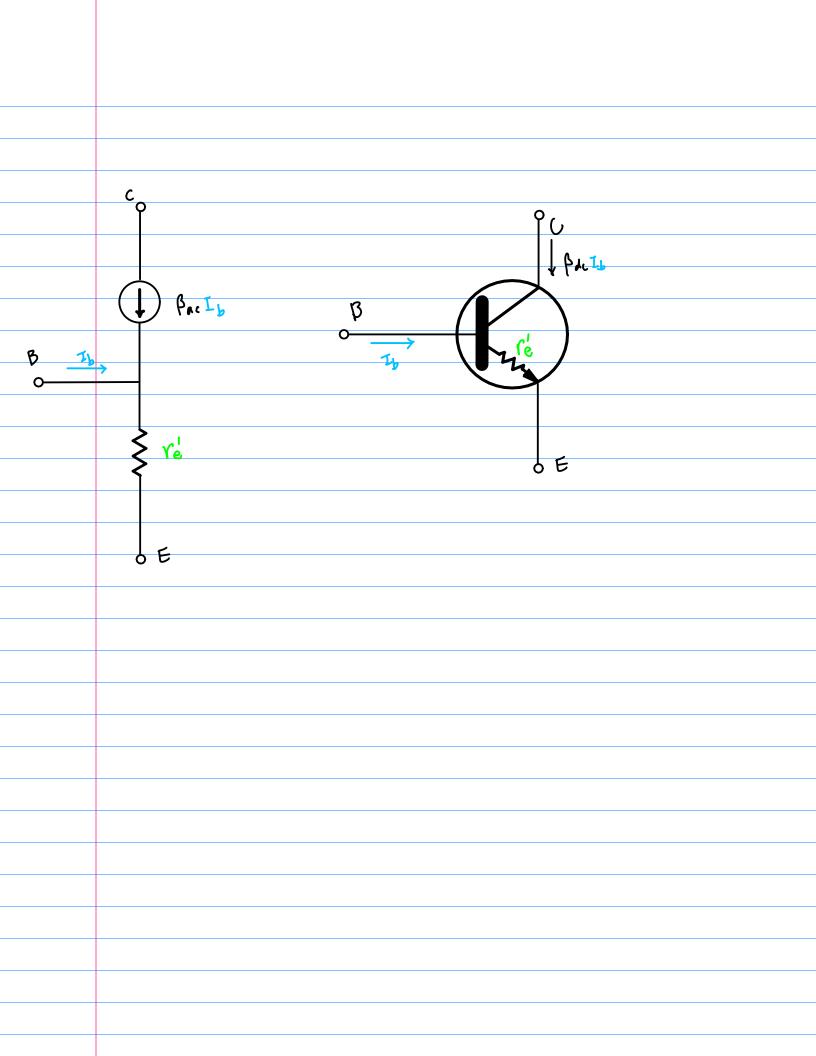
References

Based
[1] Floyd Electronic Devices 7th ed
[1] Floyd, Electronic Devices 7th ed [2] Cook,
[2] en.wikipedia.org
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dac ac alpha (Ic/Ie) Bac ac beta (Ic/Ib)
Bac ac beta (Ic/Ib)
. ré ac emitter resistance
ré ac base resistance
r' ac collector resistance

 $I_c = d_{ac} I_e$ $I_c = \beta_{ac} I_b$ VBQ + Vb IB + Ib Ib ノ VCEQ + Vce Bac Icq + Ic I,





1_c ic Lc Ic Ie ie IB Ib ib Ver Vie Vie $\left(\frac{1}{PPC} + R_{c}\right) L_{c} - V_{cc} - V_{BG}$ $\overline{L}_{c} = \frac{V_{cc} - V_{BG}}{R_{c} + R_{B}/\beta_{PC}}$