

BJT Overview Amplifiers (H.2)

20170420

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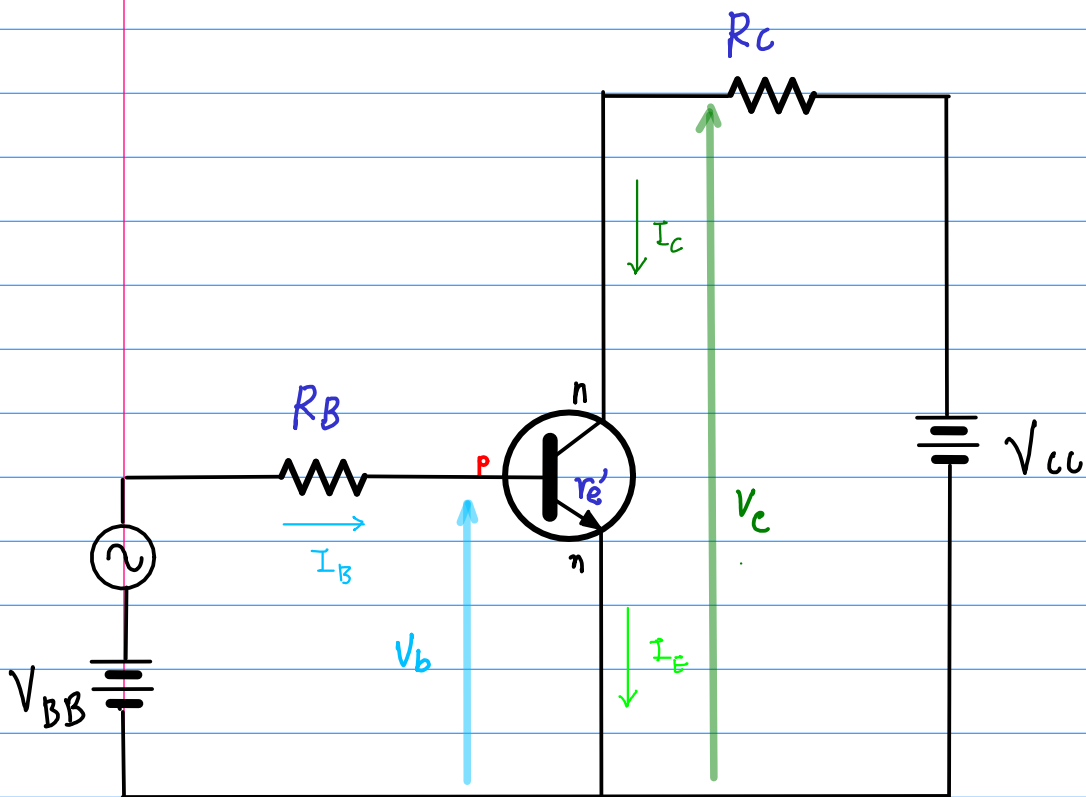
References

Based

[1] Floyd, Electronic Devices 7th ed

[2] Cook,

[2] en.wikipedia.org



$$I_e \approx I_c = \frac{V_b}{r'_e}$$

$$V_c = I_c R_C \approx V_e$$

$$V_b = V_{in} - I_b R_B$$

$$A_v = \frac{V_c}{V_b} \approx \frac{I_e R_C}{I_e r'_e} = \frac{R_C}{r'_e}$$

