

EE 311 HW-2

Q) Plot output characteristic curves of the 2N3904 NPN transistor by changing collector terminal voltage between 0V and 7V whereas base current changes from $0\mu\text{A}$ up to $200\mu\text{A}$ with steps of $20\mu\text{A}$. Repeat the same analysis for 2N3906 PNP transistor. Compare results and comment on differences.

(Hint: Use intrinsic transistor models of LT-SPICE in all simulations.)