

Plot the following characteristics of n-channel and p-channel MOSFETs using LTspice (use 50nm models from cmosedu.com for MOSFETs).

1. Transfer characteristics (fix  $V_{ds}$  & vary  $V_{gs}$ )
2. Output/drain characteristics (fix  $V_{gs}$  & vary  $V_{ds}$ )
3. Capacitance versus voltage