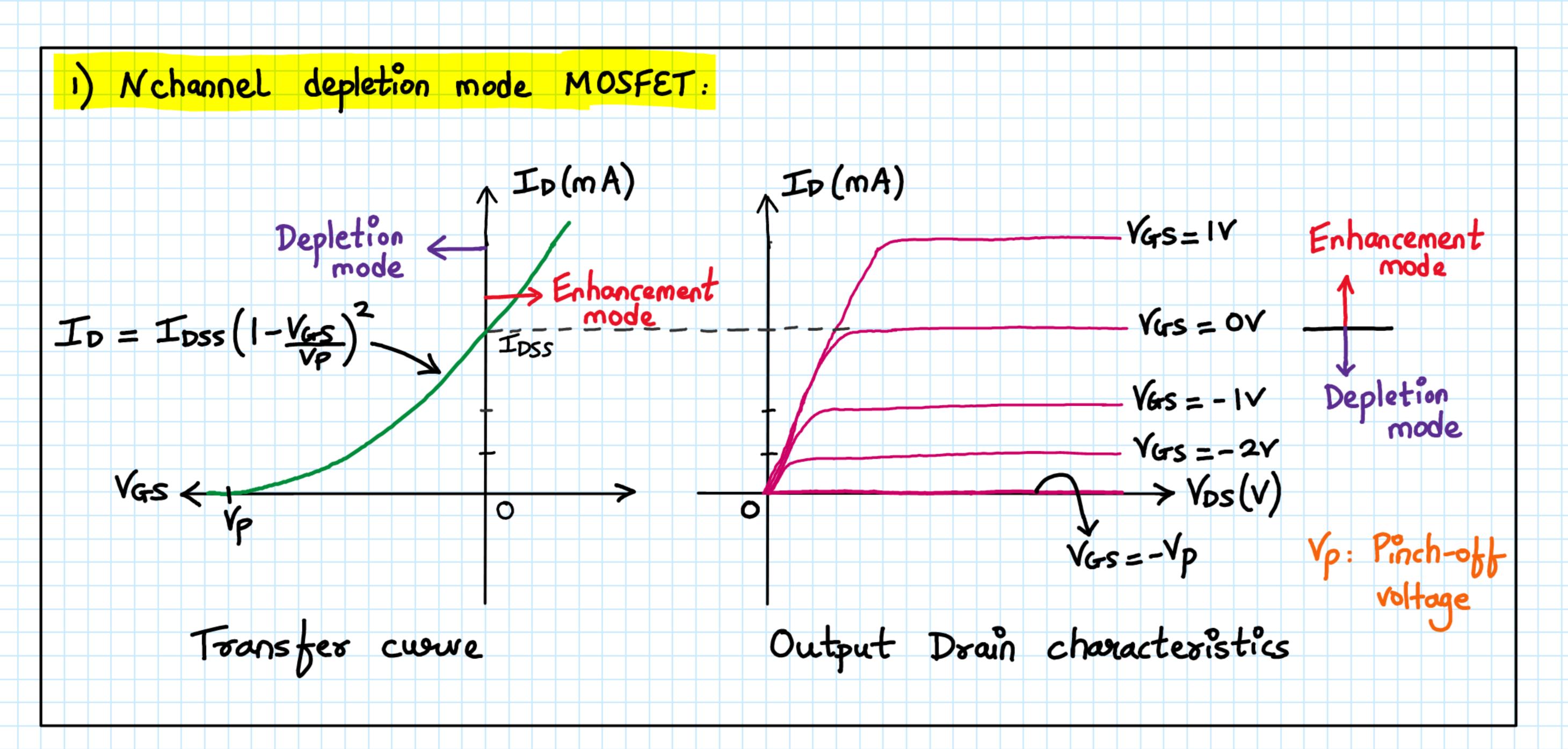
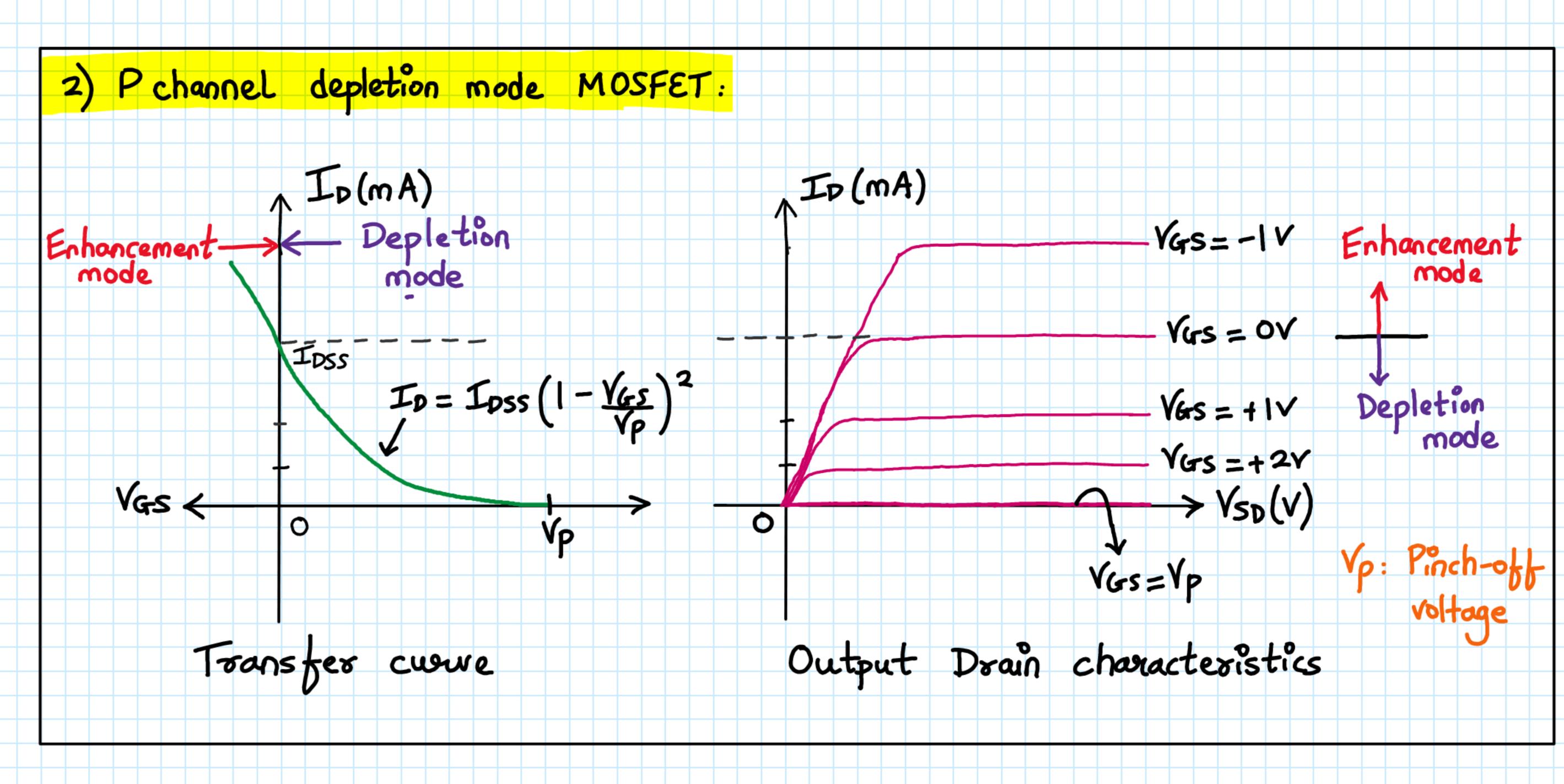
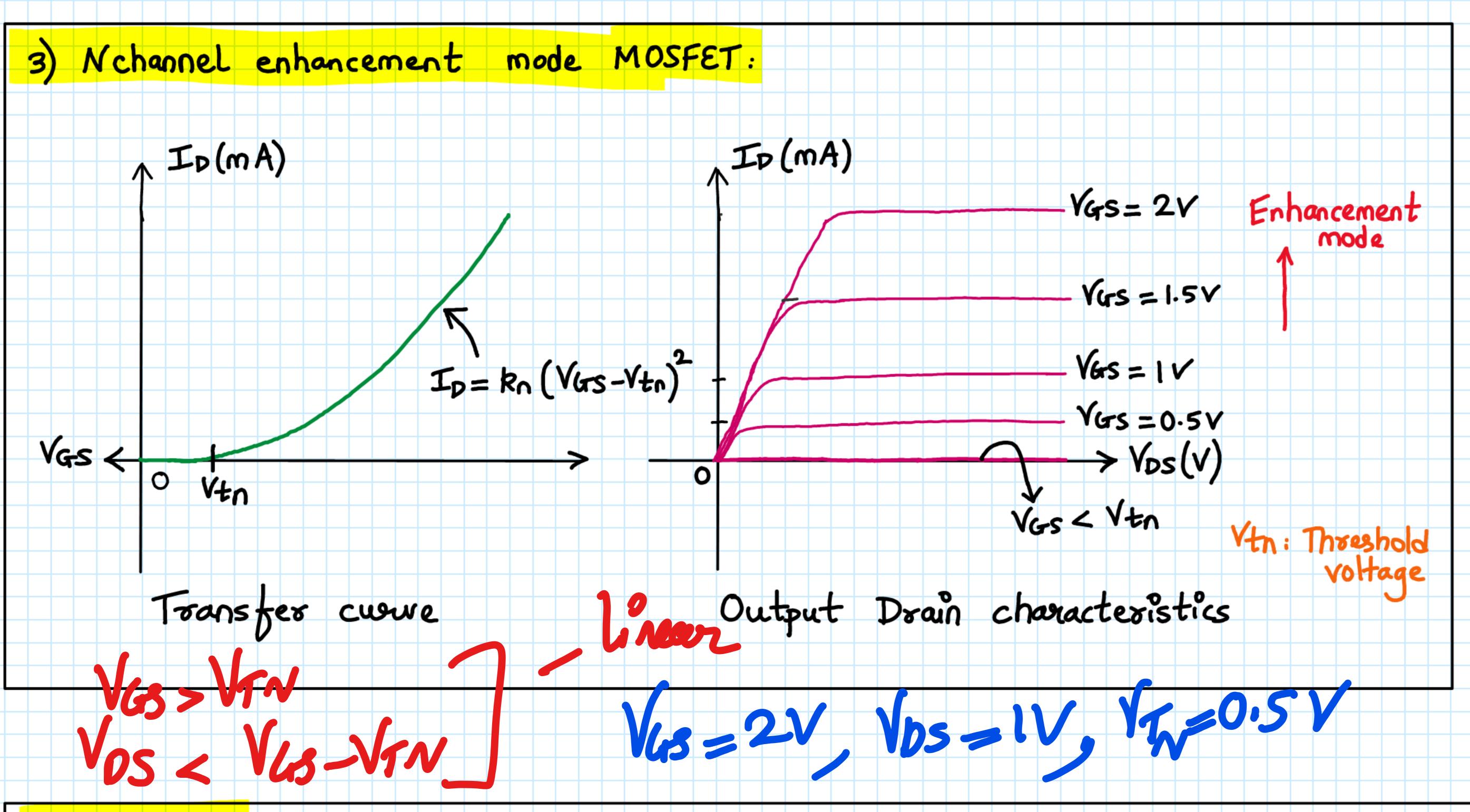
MOSFET device characteristics

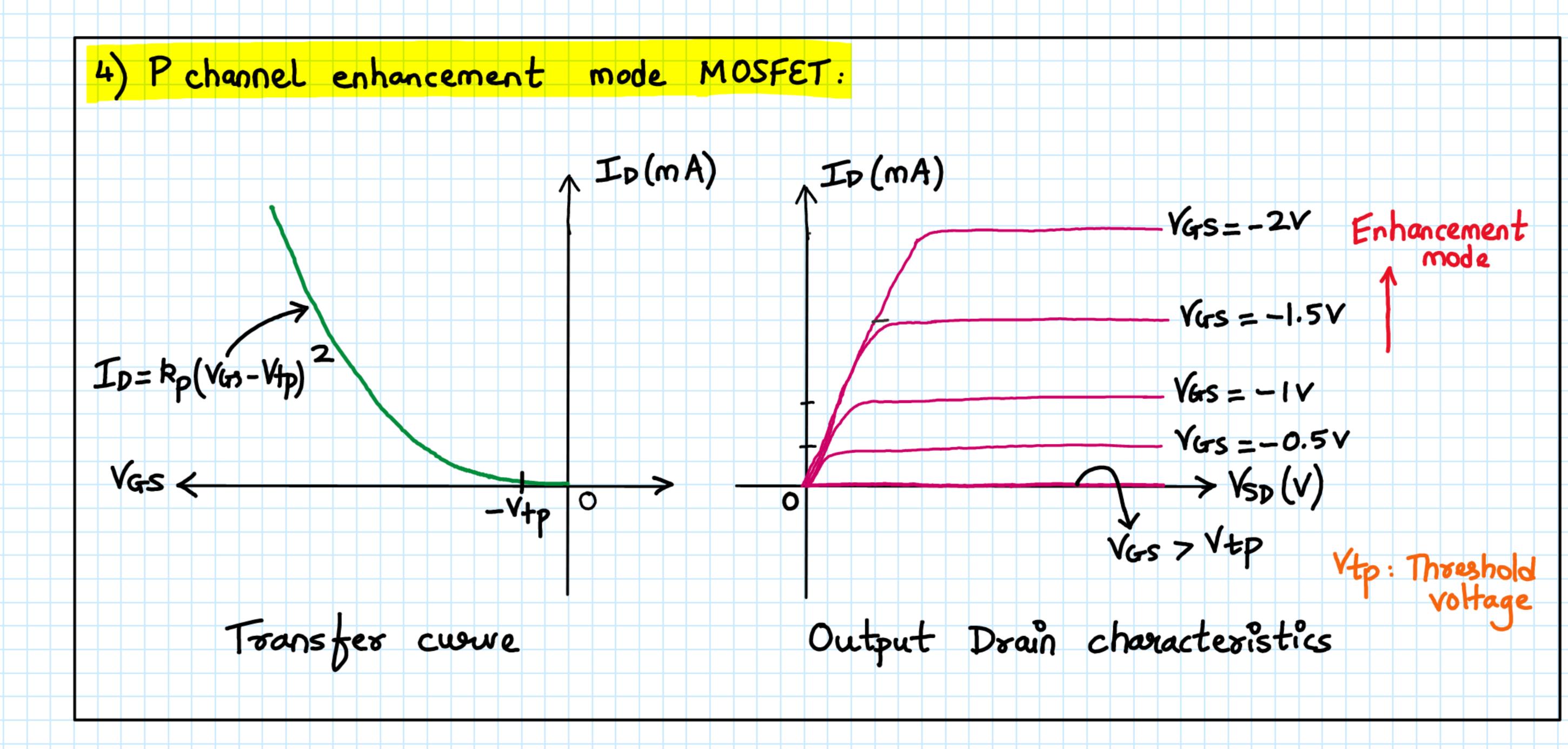
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Todays topic: MOSFET device characteristics









Numerical 1: In an enhancement n channel MOSFET, Vors is 2V, Vos is IV and the threshold voltage Ytn is 0.5V. What is the mode of operation of MOSFET Solution: Vps = IV

Vas - Vtn = 2 - 0.5 = 1.5V

i.e Yos < Yos-Ytn

Also, Vas > Van i.e 2V > 0.5V

. The given MOSFET is working in Linear mode of operation