

the donsity of electrons in the channel follows the trend of Vas-V(x), and falls to a minimum at x=L

Vas - V(x), and falls to a minimum at x=L

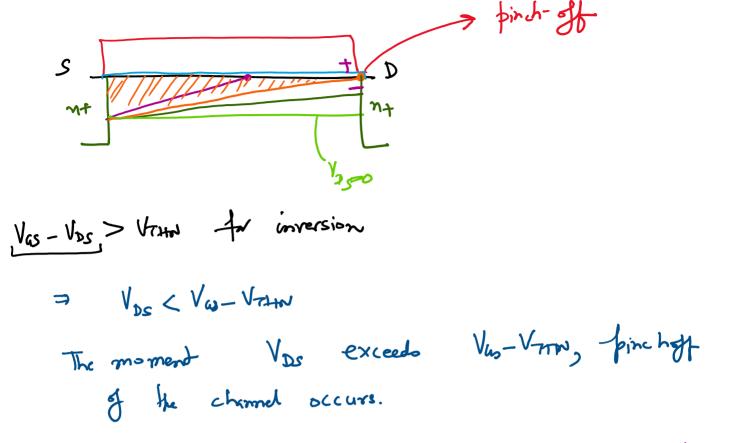
Voltage drop = Vas-VDS

Vas-V VDS

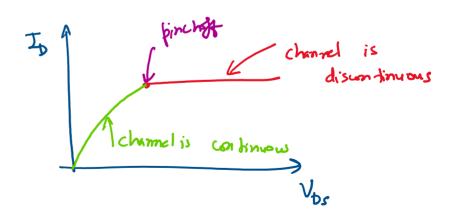
Vas-V VDS

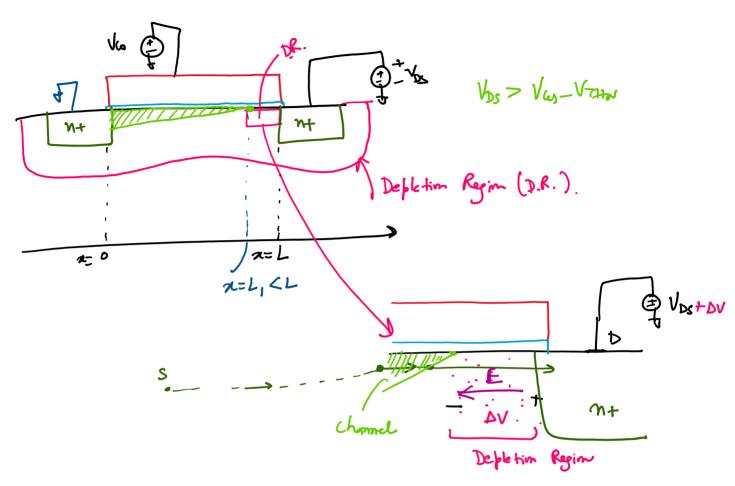
Vas-V VDS

At the drain end of the channel.



* Beyond pinchoff, the channel is no longer continuous between brain 4 Source.





Most of the cottoge drop is across the diffetion region (DR.)

** Once the electrons (from Source) reach the end of the chamely
they experience high E-feld in the DR.

| rapidly surply of to the drain terminal
| Still use have current flow
| drain terminal voltage (Vos) ne longer
affects this current significantly.

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