Then Vy = V6 + 8 VS6 Example: If source terminal = IV, Substrate = OV, Equation But if some is not grounded, the threshold voltage in not IV. It follows the following Body Effect: = 1 + 0.5 VI-0 Normally, substrate and source are connected = 1.5 V X = 4 + 8 V VS6 Who Vs6 = Vs - V6 Source substate Y= Constant =0.3 to 07

\* When F is ore os o Vys < K the bonnister (MMOS) on Vys + How (MMOS) 80WW Th gr < 5th 9 a) Resistive region, whom by < 45-4 b) Saturation region, when by > 45-4 Vas characteristics of MMOS Conducts

a) Resistive consider these ca

Capacitor Charge of Colombs The Voltage Vo in excess of = Vgs - Vds + x Vds -1 E (W.dx Thickness (Vgs-Vg+ 1 x Vas-V+) occoss the

total char 11 EW (Vgs-Vdsinduced in the channel is 1 5p - 5h 1/2 ds -1

ing the value of Q and t Channel Length from velocit ly = electron veloci - elec velocity electric field Vas/L

Ids = the value of Q and t EWMn Eunx W X Rusistive region arread 195 - 17 ) Nas 1/2×