

UM-SJTU JI Summer 2019 VE 320 Quiz 9

Name:

Student ID:

1. How to experimentally measure the carrier mobility of a MOSFET? Please list at least two methods and explain.

2. Draw the I_D - V_{SD} relationship for a p-type MOSFET at different gate voltages, assuming the source is grounded. Explain why there is the saturation region, and how the saturation point changes with different gate voltages.