

The graph displays the drain current ( $I_D$ ) in milliamperes (mA) on the y-axis against the drain-source voltage ( $V_{DS}$ ) in volts (V) on the x-axis. The x-axis ranges from 0 to 60 V with major grid lines every 10 V. The y-axis ranges from 0 to 10 mA with major grid lines every 2 mA. There are eight curves, each corresponding to a different gate-source voltage ( $V_{GS}$ ), labeled as follows:

- 0.0 V (red curve, highest current)
- 2.0 V (red curve)
- 4.0 V (blue curve)
- 6.0 V (blue curve)
- 8.0 V (red curve)
- 10.0 V (blue curve)
- 12.0 V (blue curve)
- 14.0 V (red curve, lowest current, nearly zero)

The curves show that for a given  $V_{GS}$ , the drain current increases with  $V_{DS}$  and eventually saturates. The saturation current increases as  $V_{GS}$  becomes more negative.

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