

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, and the y-axis ranges from 0 to 5 mA. Nine curves are plotted, each corresponding to a different gate-source voltage (V_{GS}), labeled from 0.0 V to -16.0 V in increments of 2.0 V. The curves for $V_{GS} = 0.0$ V and -2.0 V are red, while the others are blue. All curves originate at (0,0). The current increases with V_{DS} and is higher for less negative V_{GS} values.

| V_{GS} (V) | Curve Color | Approx. I_D (mA) at $V_{DS} = 60$ V |
|--------------|-------------|---------------------------------------|
| 0.0 | Red | 4.4 |
| -2.0 | Red | 3.5 |
| -4.0 | Blue | 3.0 |
| -6.0 | Blue | 2.5 |
| -8.0 | Blue | 2.1 |
| -10.0 | Blue | 1.8 |
| -12.0 | Blue | 1.5 |
| -14.0 | Blue | 1.2 |
| -16.0 | Blue | 0.8 |

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 5 mA with major grid lines every 1 mA. There are nine curves representing different gate-source voltages (V_{GS}):

- 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 (blue curve)
- 10.0 V (blue curve)
- 12.0 V (blue curve)
- 14.0 V (blue curve)
- 16.0 V (blue curve, lowest current)

The curves show that for a given V_{DS} , the drain current increases as V_{GS} becomes more negative. The curves for $V_{GS} = 0.0$ V and -2.0 V are red, while the others are blue. The curves for $V_{GS} = 0.0$ V and -2.0 V show a sharp increase in current at low V_{DS} and then level off, indicating saturation. The other curves show a more gradual increase in current with V_{DS} .