

The graph illustrates the relationship between Drain-Source Current (I_{DS}) and Drain-Source Voltage (V_{DS}) for a p-type MOSFET. The x-axis represents V_{DS} in Volts (V), ranging from 0 to 60. The y-axis represents I_{DS} in milliamperes (mA), ranging from 0 to 10. The curves are plotted for various Gate-Source Voltages (V_{GS}):

- 0.0 V (Red curve)
- 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)

The current increases with V_{DS} and decreases 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.

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