Graphical solution for voltage and current through diode. $I_R = I_s e^{v/v_{th}}$ 0.010 $I_D = \frac{V_S - v}{R}$ V: 0.809 V, I: 9.18 mA Solution 0.008 Current [A] 600.0 0.004 0.002 0.000 10

Voltage [V]