

### Special Problem 3.3-19

Using a **piecewise-linear junction diode model**, I have determined that the voltage across a junction diode is approximately **0.62 V** when **1.0 mA** is flowing through the junction diode.

My PWL model uses a value of  $r_D = 0.01 \text{ K}\Omega$ .

Use my PWL model to determine the **approximate voltage** across this same junction diode when **5.0 mA** is flowing through it.