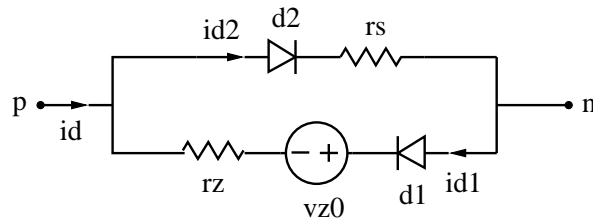


diode_zener.ece



Description

`diode_zener.ece` behaves like a normal diode (`d2` in the figure) under forward bias. The real parameters of `d2` have the same meaning as the diode model implemented in SPICE 3. The reverse breakdown is modelled with the branch containing an ideal diode (diode `d1` in the figure) with $V_{on} \approx 0$ and a voltage source `vz0`. This branch starts conducting when the reverse voltage exceeds `vz0`, with `rz` serving as the series resistance.

AC behaviour is not implemented.