

Topic

Diodes

Governing Equations and Assumptions

ON \Rightarrow Set $v_D = 0$, Solve for i_D , Check $i_D > 0$
OFF \Rightarrow Set $i_D = 0$, Solve for v_D , Check $v_D < 0$

Circuit Analysis

Process

- ① Assume a state for the diode(s)
- ② Perform circuit analysis
- ③ Check the assumed state
- ④ Repeat if necessary