

Concept Question 3-11: Is the source-superposition method applicable to power? In other words, if source 1 alone supplies power P_1 to a certain device and source 2 alone supplies power P_2 to the same device, will the two sources acting simultaneously supply power $P_1 + P_2$ to the device?

For a linear circuit, the superposition method is applicable to voltage and to current, but not to power.