

Sign Conventions and Laws

Qj o ai'Ncy

$$= + \quad (i \text{ enters } V+)$$

$$= - \quad (i \text{ enters } V- // i \text{ leaves } V+)$$

KVL

$$\hat{U} V = 0V$$

(+) if i enters (+) terminal

(-) if i enters (-) terminal

KCL

$$\hat{U} i = 0A$$

= at a node

Power

$$= + \quad (i \text{ enters } +)$$

$$= - \quad (i \text{ enters } -)$$

(+) Power = Power Absorbed

(-) Power = Power Delivered

P qf cn'Qj o ai'Ncy "

$$= \text{---} \quad V_A \text{ ó } V_B \text{ (Tail ó Head)}$$

Superposition

Check for Linear

Keep one source

Solve for values

Sum results

