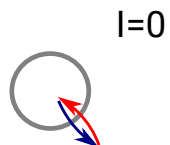


A

Point neuron



no extracellular potential

$$\varphi = 0$$

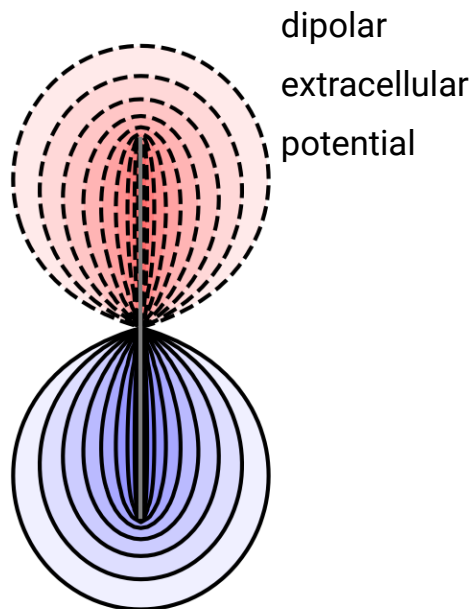
**B**

Two-compartment neuron

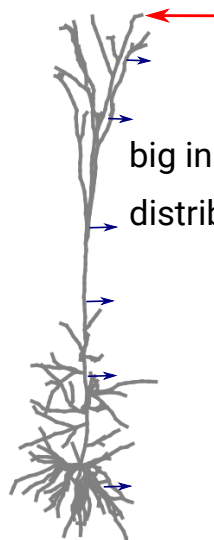


two current of equal magnitude

$$I_1 = -I_2$$

**C**

Multi-compartment neuron



big input current

distributed return current

