2. Stationary currents and magnetic field

Ohm's law

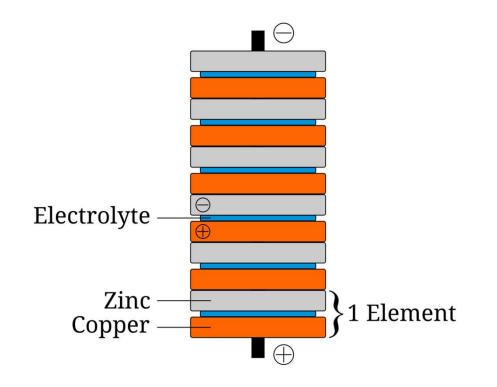
$$\underline{i} = \sigma \underline{E}$$
$$\Delta U^{a}(b) = \frac{l}{\sigma A}I = RI$$



Georg Simon Ohm

German physicist (1789–1854) Ohm, a high school teacher and later a professor at the University of Munich, formulated the concept of resistance and discovered the proportionalities expressed in Equations 26.6 and 26.7.

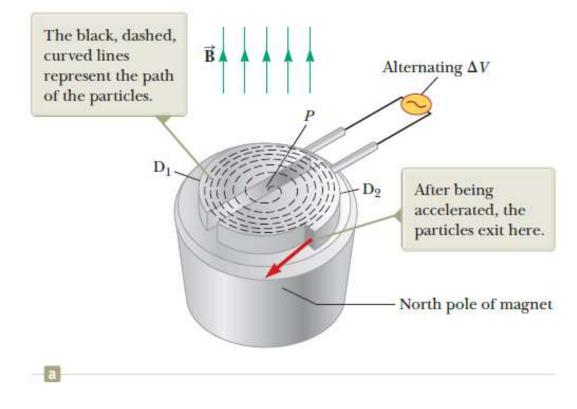
First electrochemical battery: Voltaic pile

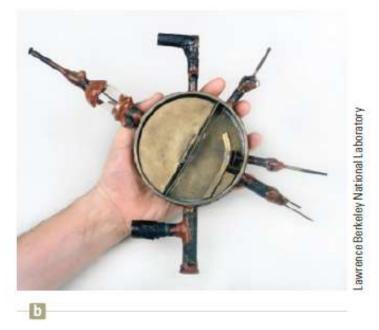




Alessandro Volta

Cyclotron (20 MeV)





Synchrotron (LHC, 6.8 TeV)

