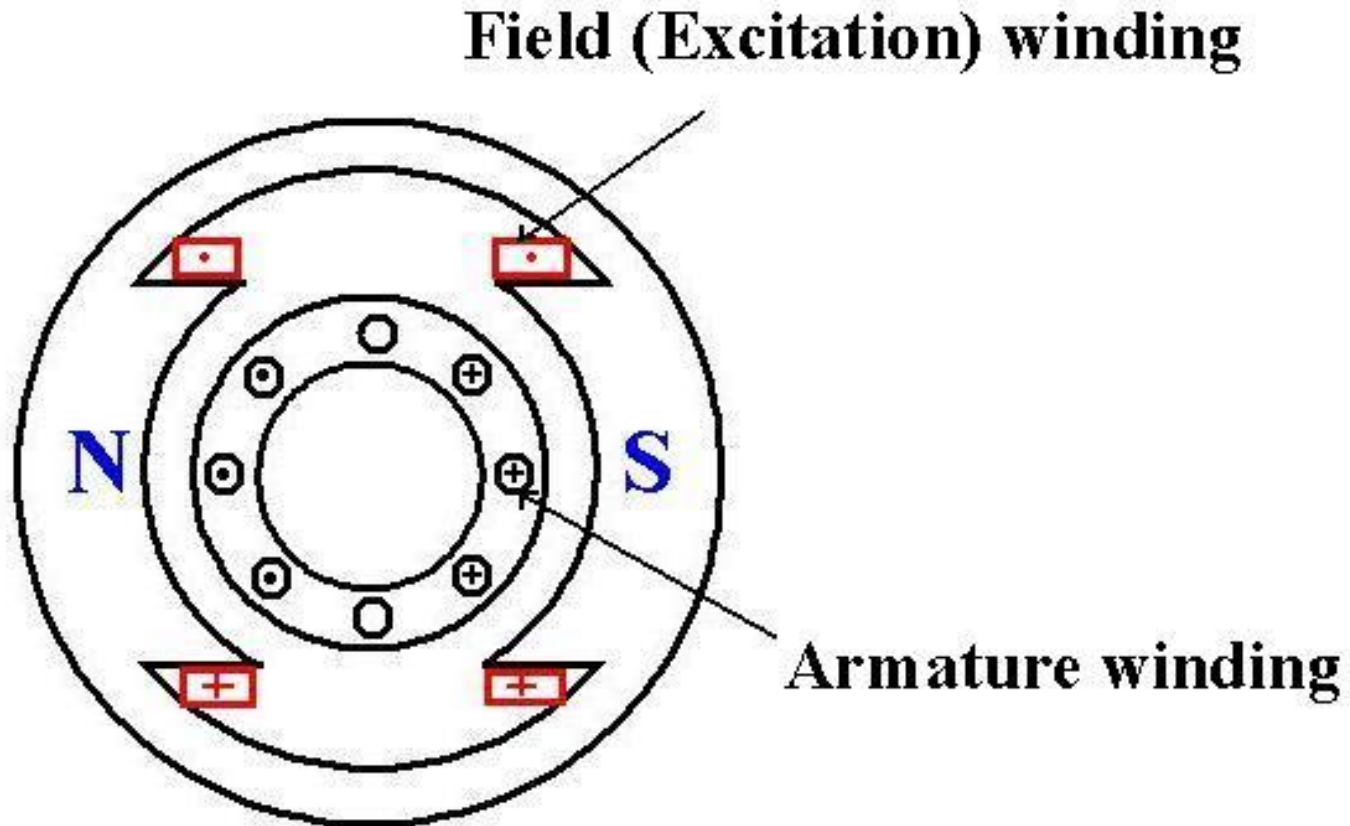
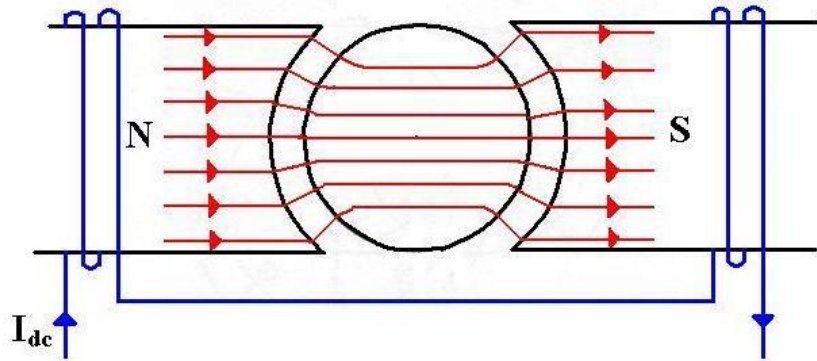


Direct Current (DC) Machines

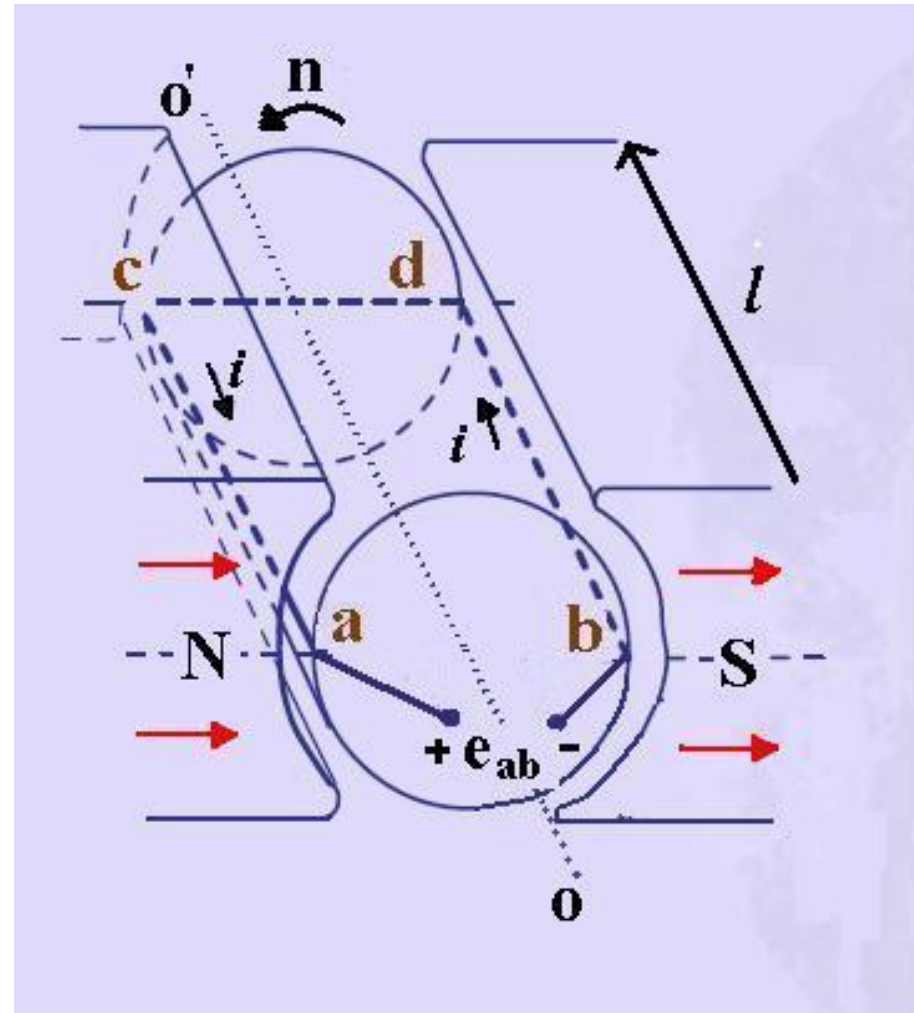


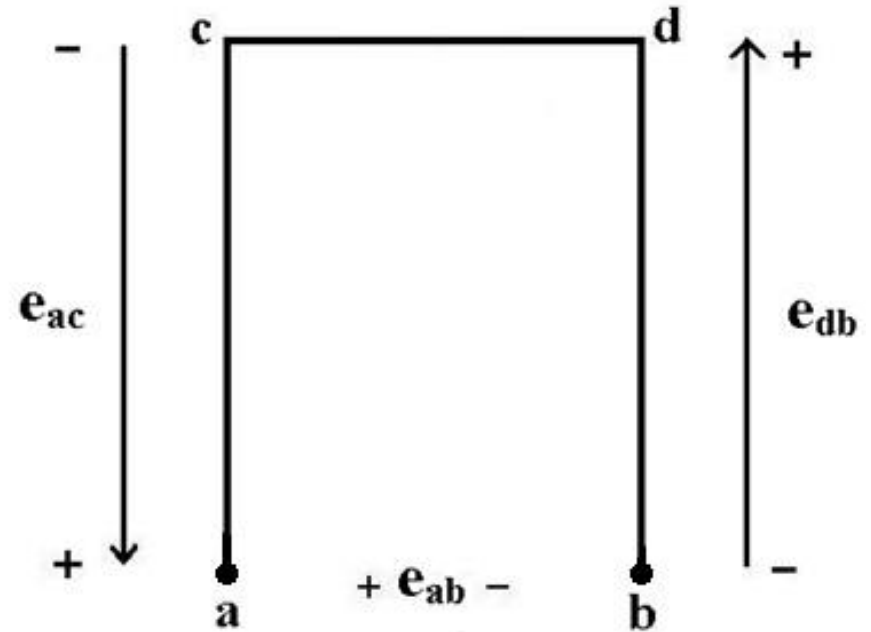
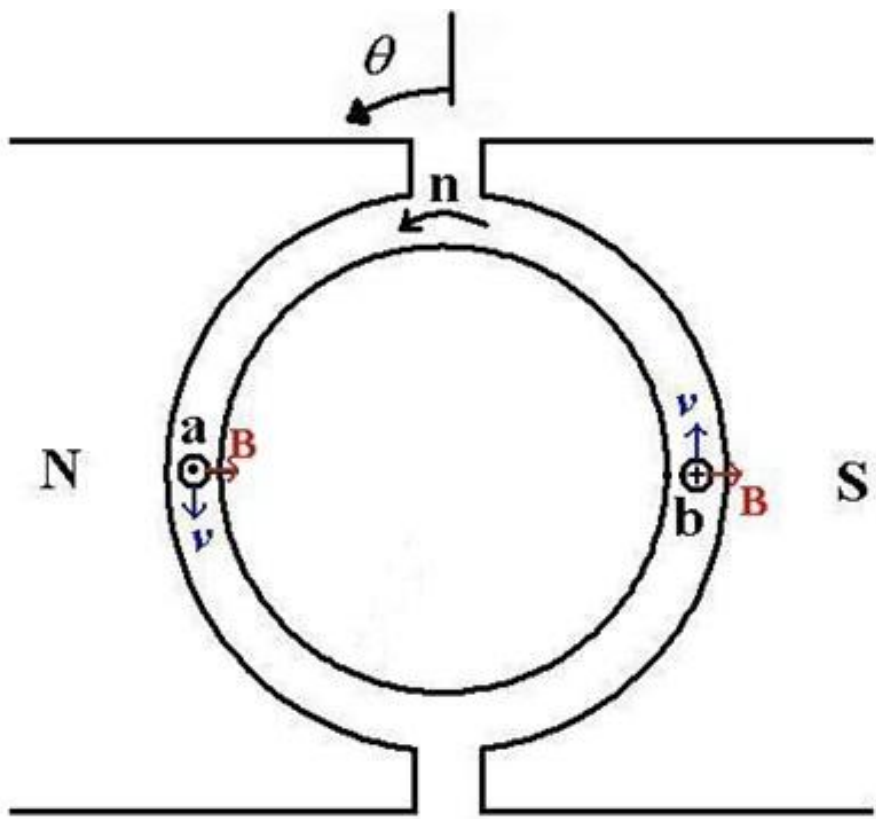
Cross section of 2 pole DC machine

Induced voltage in a loop



Flux density distribution in airgap





$$e_{ind} = (\bar{v} \times \bar{B}) \cdot \bar{l}$$

$$e_{db} = e_{ac} = vBl \quad e_{dc} = 0$$

