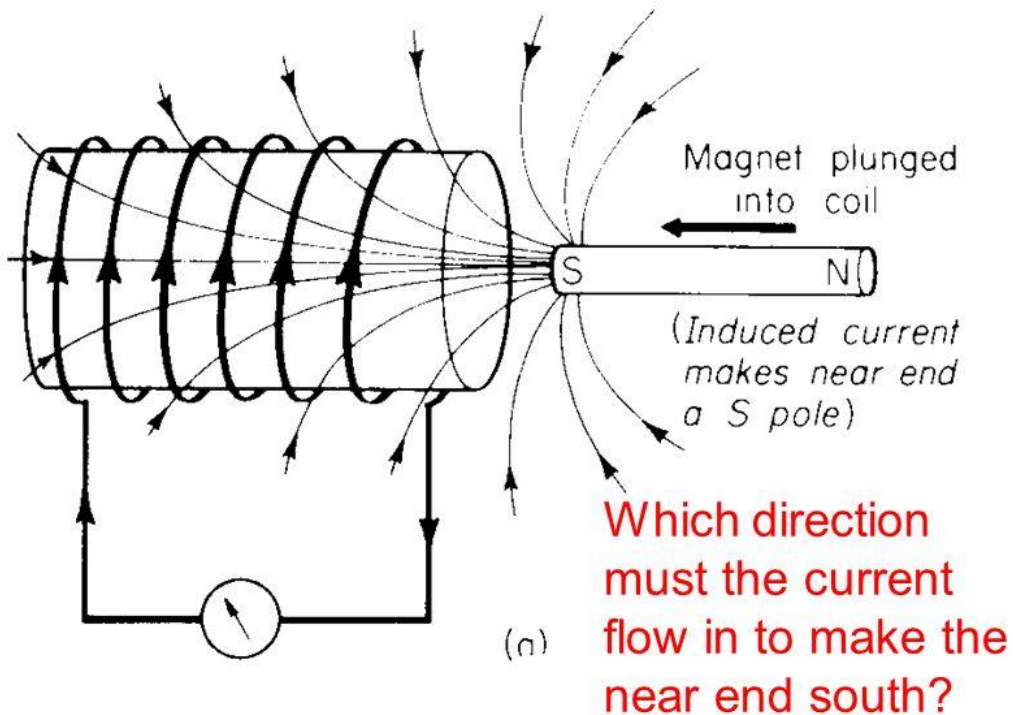


Electromagnetic induction



How to increase induced current

- 1) Use a stronger
- 2) Increase the speed of the movement the magnet or the coil related to each other.
- 3) Have more number of turns in the coil

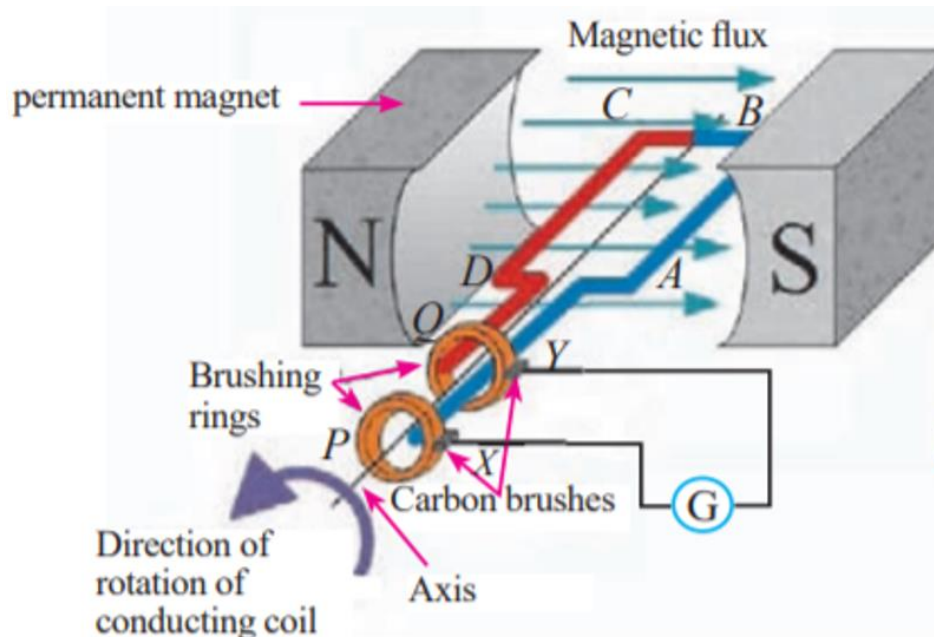
How to change the direction of the induced current

- 1) Change the direction of the of the
- 2) Change the of the which is turned towards the

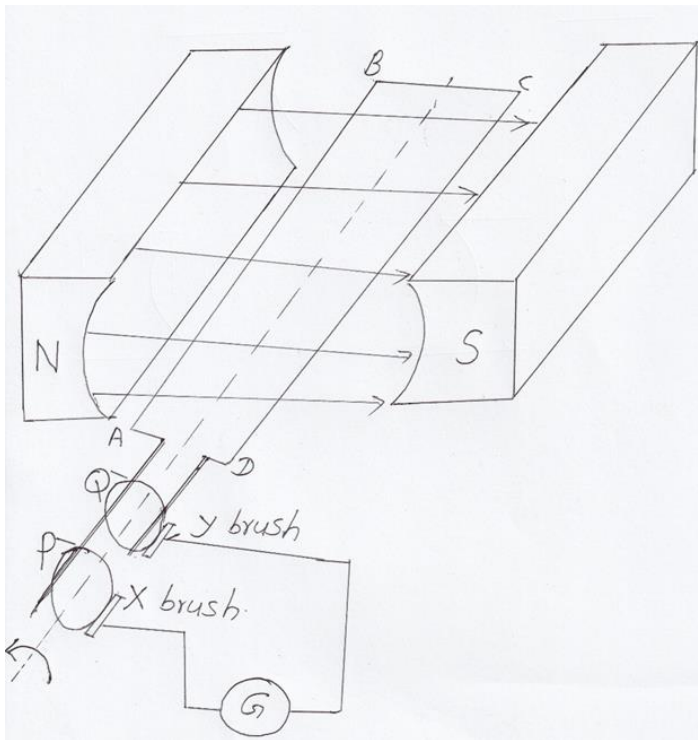
Induced current is used in and moving coil magnetic

Channa Asela

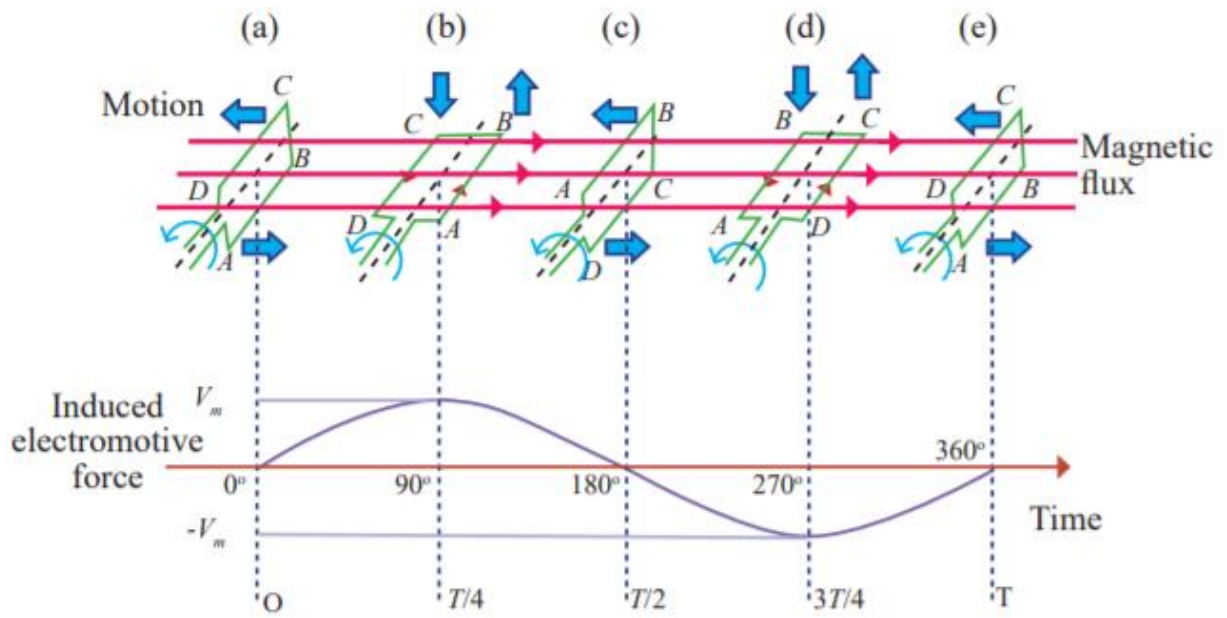
Alternating Current dynamos



- 1) The wire is touching the brush ring.
- 2) The wire is touching the brush ring.
- 3) The brush ring is in contact with the Carbon brush
- 4) The brush ring is in contact with the Carbon brush
- 5) The coil is rotating
- 6) Therefore the wire moves and the wire moves
- 7) Therefore the produced by the wire will flow from to
- 8) The produced by the wire will flow from to
- 9) Therefore the flows from → → → → brush ring → Carbon brush → → carbon brush → Brush ring →
- 10) Therefore was flowing from →
- 11) Now the wire will come to position
- 12) The wire will come to position.



- 13) The coil is rotating
- 14) Therefore the wire moves and the wire moves
- 15) Therefore the produced by the wire will flow from to
- 16) The produced by the wire will flow from to
- 17) Therefore the flows from → → → → brush ring → Carbon brush → → carbon brush → brush ring → D.
- 18) Therefore current was flowing from →
- 19) Now the wire will come to position
- 20) The wire will come to position.



Channa Asela