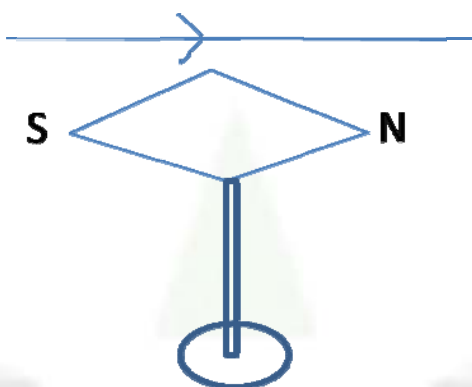




Magnetic Effect Of Current-Biot's Law

Magnetic effect of current: Oersted first discovered the magnetic effect of current.

Ampere's experiment: A magnetic needle was kept below a conductor. On passing current through the conductor the needle get deflected.



In order to deflect a magnetic needle a magnetic field is required. Hence it was concluded that on passing current through a conductor a magnetic field is produced. Later experiments by Bio, Savart , Laplace & Ampere gave quantitative explanation of magnetic effect.