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PAGE NO.:

Physics-2 (1SBIIPH211)

Assignment-2

Biot-Savart law :

States that how the value of the magnetic field at a specific point in space from one short segement of current-carrying conductor depends on each factor that influences the field.

$$\left[d\vec{B} = \frac{\mu_0 I d\vec{l} \times \vec{r}}{4\pi r^3} \right]$$

Ampere's Circuital law :

Law states that the circulation of the magnetic flux density in free space is proportional to the total current through the surface bounding the path over which the circulation is computed

$$\left[\oint B \cdot dl = \mu_0 I_{enclo.} \right]$$