$ \begin{array}{c} \vec{B} \text{ forms loops that encircle } I_s. \\ \text{Don't curl your fingers. Put your thumb} \\ \text{in the location of } I_s \\ \text{thumb: dir } I_r \\ \text{finger pask: dir } \vec{B} \\ \text{(including } I_s \\ \text{(including } I_s \\ \text{or a magnet)} \end{array} \right) \xrightarrow{\mathbf{B}} \mathbf{A} \text{ds} = \mu_0 I_{\text{secieda}} \\ \text{unit for } q = C \\ \text{unit for } I = \mathbf{A} = C/s \\ \text{scalars} \end{aligned} \\ (r = \text{distance from wire}) \\ Center of current loop: \dot{B} = \frac{\mu_0 I_s}{2r} \\ (r = \text{radius of loop}) \\ Current sheet: \dot{B} = \frac{1}{2} \mu_0 J_s \\ (\text{units for } I_s = A/m) \\ \text{Inside a solenoid: } \ddot{B} = \mu_0 n I_s \\ (\text{units for } I_s = A + 10^T \text{N/A}^2 \\ \end{array} \right) \\ \end{array} $

You must use S.I. units in all the formulas in this chart.