

$$L = \frac{L}{4\pi r^2}$$

$$C = \frac{L}{4\pi} \iint \frac{x_2}{x_2^2 + y_3^2 + z_3^2}^{\frac{3}{2}} dy_3 dz_3$$

$$C = k \iiint \frac{x_2 + x_1}{((x_2 + x_1)^2 + (y_3 - y_1)^2 + (z_3 - z_1)^2)^{\frac{3}{2}}} dx_1 dy_1 dz_1 dy_3 dz_3$$

where,

$$k = \frac{1}{4\pi} \frac{A}{\pi ((y_1)^2 + (z_1)^2) \cdot x_1}$$