

$$H\phi = \frac{I^* I^* \beta^2}{4^* \pi} \left[ \frac{-1}{j^* \beta^* r} + \frac{1}{(\beta^* r)^2} \right] \quad (2)$$

$$* \sin(\theta) * e^{-j^* \beta^* r} \text{ A/m},$$