$$\mathbf{B}(r) = \frac{\mu_0 j}{4\pi} \int_{-b/2}^{b/2} \int_0^{2\pi} \int_R^{R+\Delta R} \frac{\cos(\phi z)}{r - (y\sin(\phi) + x\cos(\phi))} r dr d\phi dz$$

$$\sqrt{(x - r\cos(\phi))^2 + (y - r\sin(\phi))^2 + z^2}$$

 Δ R = Dicke der Spule b = Breite der Spule