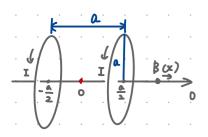
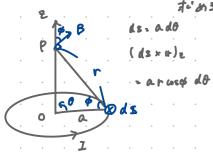
Helmholtz DriL



の ピオ・サリールの三気り

より、丹電流の中心軸になける花場を



$$d\beta 2 = \frac{\mu_0 2}{4\pi} \frac{\alpha_{-0} 2^{\frac{1}{2}}}{\alpha_{-1}^2 2^{\frac{1}{2}}}$$
$$= \frac{\mu_0 2}{4\pi} \frac{\alpha_{-1}^2}{(\alpha_{-1}^2 2^2)^{3/2}}$$

$$Bz : \int_{0}^{2\pi} dbz \, d\theta$$

$$= \frac{\mu \cdot I}{2} \frac{0^{\frac{1}{2}}}{(0^{\frac{1}{2}} + z^{\frac{1}{2}})^{\frac{3}{2}}}$$

日へしいれ、ルグライルの あたる

$$\beta(z) = \frac{\mu_0 I \Delta^2}{2} \left\{ \frac{1}{\left[\alpha^2 + \left(\frac{\Delta}{2} + 2\right)^2\right]^3 \Delta^4 + \left[\alpha^2 + \left(\frac{\Delta}{2} - z\right)^2\right]^{3/2}} \right\}$$

[(tel 12 2112

スンTaylor屋南すると、BC=112個以外なので

偶牧次の項の中联3.

$$\frac{dB}{dx} = \frac{\mu_0 I \alpha^2}{2} \left\{ -\frac{3}{2} \frac{2(\frac{\alpha}{2} + x)}{[\alpha^2 + (\frac{\alpha}{2} + x)^2]^{5/2}} - \frac{3}{2} \frac{-2(\frac{\alpha}{2} - x)}{[\alpha^2 + (\frac{\alpha}{2} - x)^2]^{5/2}} \right\}$$

$$= \frac{3}{2} \mu_0 I \alpha^2 \left\{ -\frac{(\frac{\alpha}{2} + x)}{[\alpha^2 + (\frac{\alpha}{2} + x)^2]^{5/2}} + \frac{(\frac{\alpha}{2} - x)}{[\alpha^2 + (\frac{\alpha}{2} - x)^2]^{5/2}} \right\}$$

$$\frac{dB}{dx^2} = \frac{3}{2} \mu_0 I \alpha^2 \left\{ \frac{5}{2} \frac{2(\frac{\alpha}{2} + x)^2}{[\alpha]^{9/2}} - \frac{1}{[\alpha]^{9/2}} - \frac{1}{[\alpha]^{9/2}} \right\}$$

$$-\frac{5}{2} \frac{-2(\frac{\alpha}{2} - x)^2}{[\alpha]^{9/2}} - \frac{1}{[\alpha]^{9/2}} \right\}$$

$$\frac{dB}{dx^2} \left\{ x = 0 \right\} = 0 \quad \frac{d^2B}{dx^2} \left\{ x = 0 \right\} = 0 \quad \frac{d^2B}{dx^2} \left\{ x = 0 \right\} = 0$$

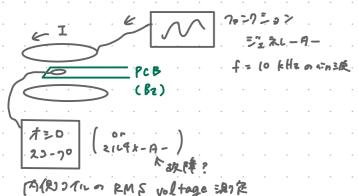
$$\frac{dB}{dz}\Big|_{z=0} = 0, \quad \frac{dz}{dz^{2}}\Big|_{z=0} = 0, \quad \frac{dz}{dz^{3}}\Big|_{x=0}$$

$$B\Big|_{z=0} = \frac{\mu_{0} Z \alpha^{2}}{z} \frac{2}{(\frac{5}{4}\alpha^{2})^{3}/2}$$

$$= \left(\frac{4}{5}\right)^{\frac{3}{2}} \frac{\mu_{0} Z}{\alpha}$$

$$\beta(x) = \left(\frac{4}{5}\right)^{\frac{3}{2}} \frac{\mu_0 1}{\mu_0} + O(x^4)$$

Helmholtz stic 1=13, stilNSの最近.



人にいれいりつイル内のなだ場

$$\beta = \left(\frac{4}{5}\right)^{3/2} \frac{\mu \cdot 1}{\alpha}$$

$$= \left(\frac{4}{5}\right)^{3/2} \frac{\mu \cdot 1}{\alpha} \text{ at nwt}$$

オミロスコークひの せんじに

$$V = -\frac{d\phi}{dt}$$

$$= -NS\left(\frac{\phi}{5}\right)^{3/2} \frac{\mu_0 I_0}{a} \quad \omega \cos \omega t$$



·X· 目中 (积光生~偏滴)

NSN 1.15 x102 mm

· NUいすいりつかにこれれる I BRAS 言情

·フャンリテョンジュネレーA- からの f

O PCB MADRILO VERNS