(1)
$$dH' = \int_{0}^{2\pi} d^{2} dH'$$
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$$dH' = \frac{1}{4\pi I^2} d\ell$$

$$= \frac{\alpha^2 I}{2 (\alpha^2 A^2)^{\frac{3}{2}}}$$

$$M1 = \frac{1}{2(a^2 + d^2)^{\frac{3}{2}}} [H]$$

$$\overline{q}_{13} = M J,$$

$$= \frac{N_0 \alpha^3 b^2 \lambda}{2(\alpha^3 + d^2)^{\frac{3}{2}}} J_2$$

$$F = \frac{\frac{\partial M}{\partial d} I_1 I_2}{\frac{\partial (\alpha^2 + \alpha^2)^2}{2 (\alpha^2 + \alpha^2)^3}} I_1 I_2$$

$$= \frac{\frac{\partial (\alpha^2 + \alpha^2)^3}{2 (\alpha^2 + \alpha^2)^3} I_1 I_2}{\frac{\partial (\alpha^2 + \alpha^2)^3}{2 (\alpha^2 + \alpha^2)^3}} I_1 I_2$$

Fくのエリ 入動食の方向