

Errata

Erratum: Direct generation of ultrasound by electromagnetic radiation
in metals in a magnetic field
[Phys. Rev. B 25, 7141 (1982)]

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Figures 1 and 2 of this paper should be replaced by Figs. 1 and 2 given here. We note that j_y does not change phase with increasing B_0 but the phase of the collision drag torque changes relative to that produced by the surface force.

In Eq. (2.16) the exponential should read $\exp(-u_{\pm}|z|)$.

The results following Eq. (4.9) are independent of the assumption $(\partial\xi_i/\partial x_j) = (\partial\xi_j/\partial x_i)$.

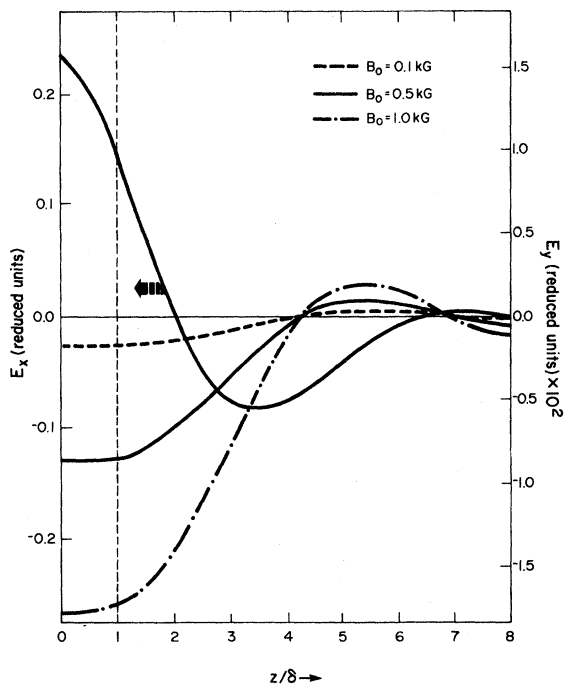


FIG. 1. Electric field as a function of z/δ (z is the distance from the surface and δ the penetration depth). The electric field is in units of $(c/4\omega l^2 E_0)$, where these quantities are defined in the original paper. E_x is on the vertical scale on the left while E_y is displayed on the right. Note that E_x is approximately independent of B_0 for the values considered.

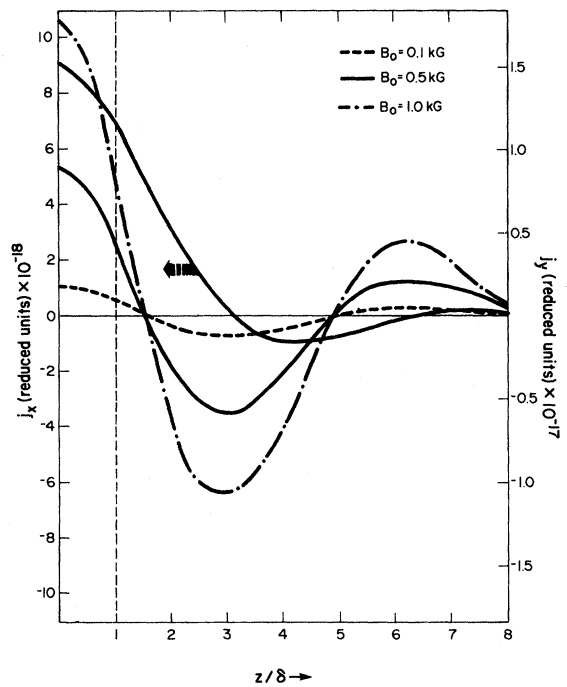


FIG. 2. Current density as a function of z/δ . The x and y components are displayed on the left and right vertical scales, respectively. The units are consistent with those of Fig. 1.