



$$\epsilon^I_{\text{Akasofu}} = (4\pi/\mu_0) \cdot V \cdot B_T^2 \sin^4(\theta_C/2) = (4\pi/\mu_0) \cdot V \cdot (B_T - B_Z)^2/4 \text{ [0.01 W/km}^2 \text{ (when km/s and nT and are used for V and B)]}$$