

$$\overrightarrow{H_a} = \frac{1}{\mu_0} \overrightarrow{B} - \overrightarrow{M} - \overrightarrow{M_a} \qquad \overrightarrow{M_a} = g_{a\gamma\gamma} \sqrt{\frac{\epsilon_0}{\mu_0}} (a \overrightarrow{E})$$