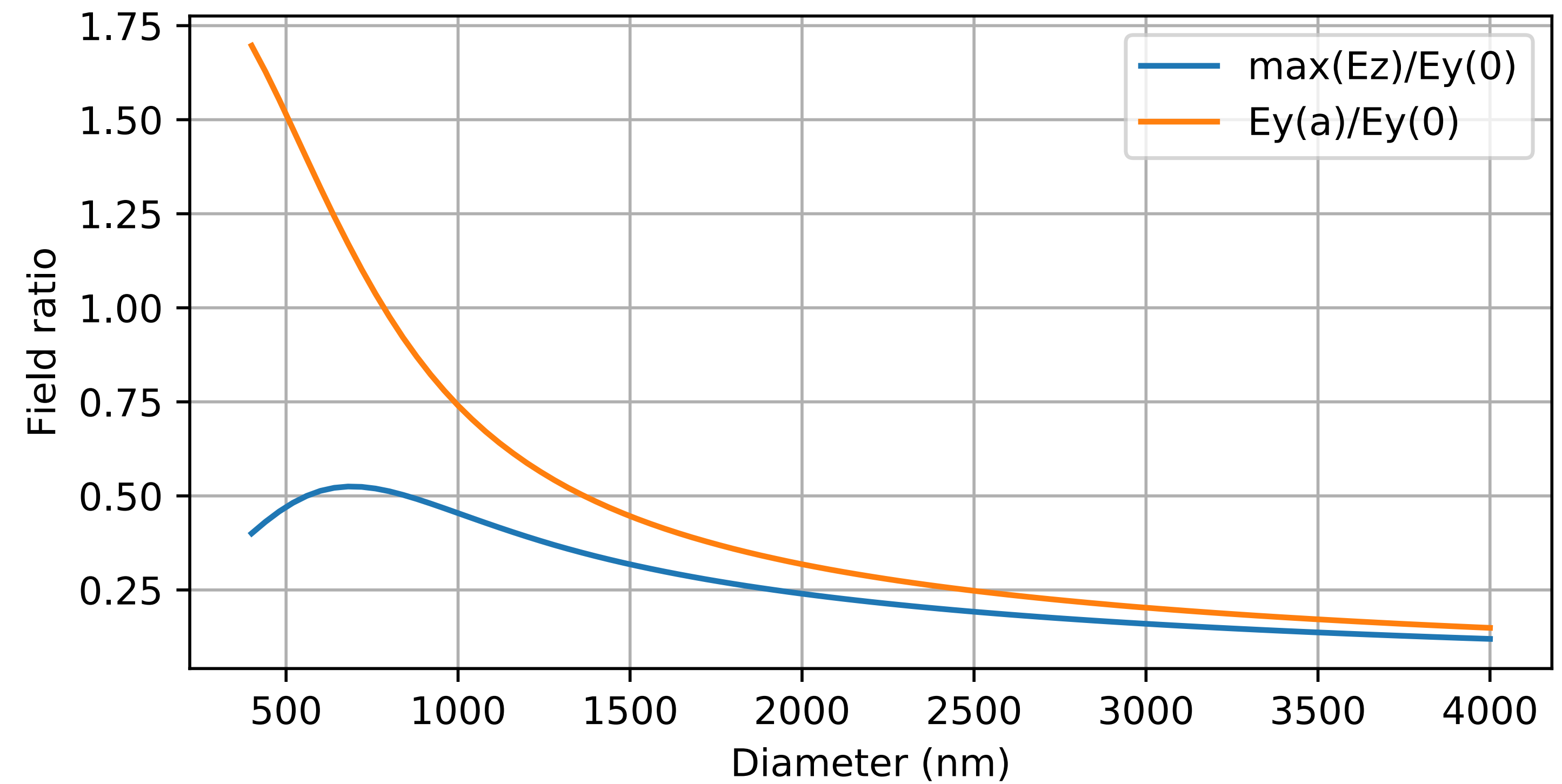
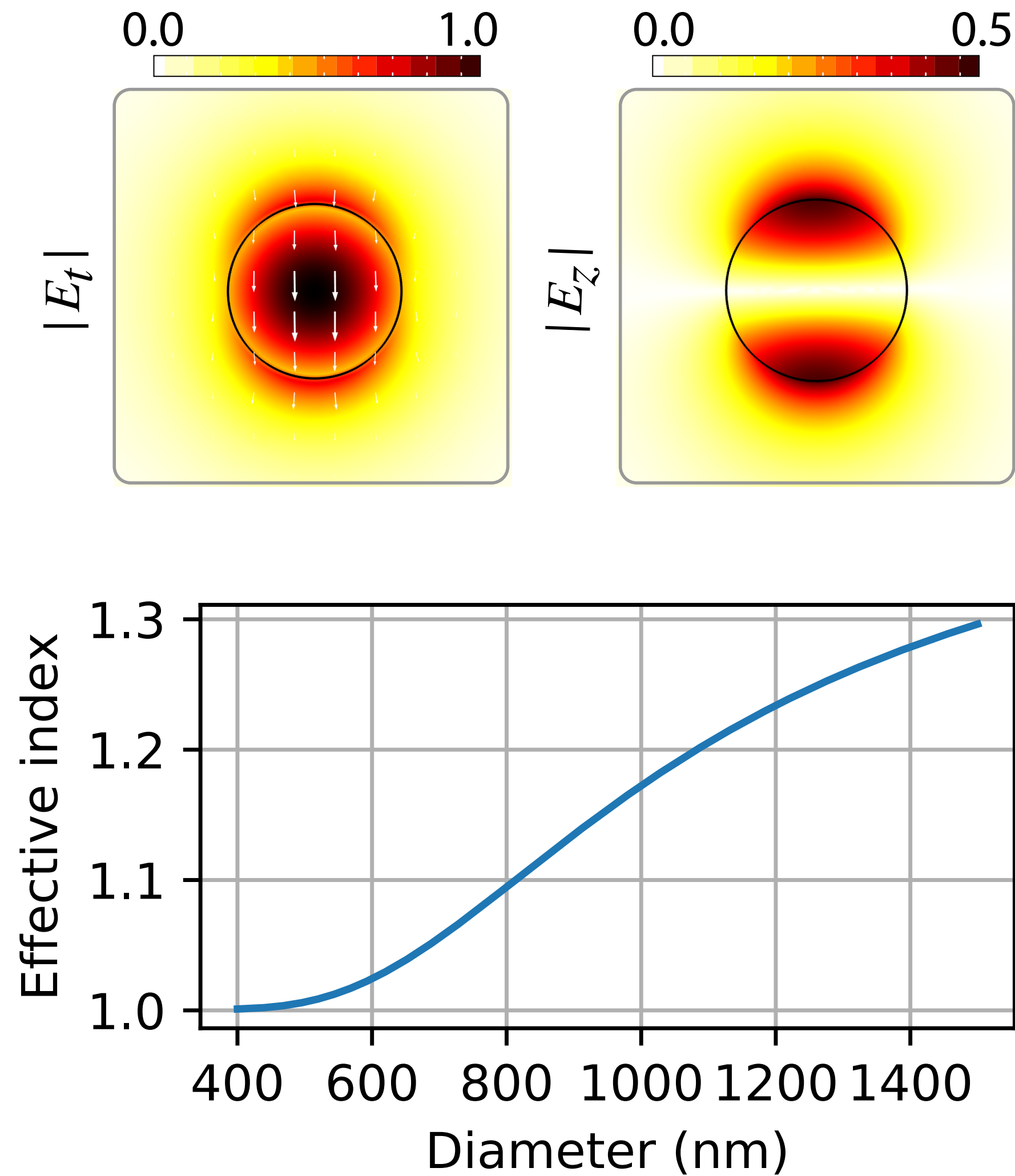


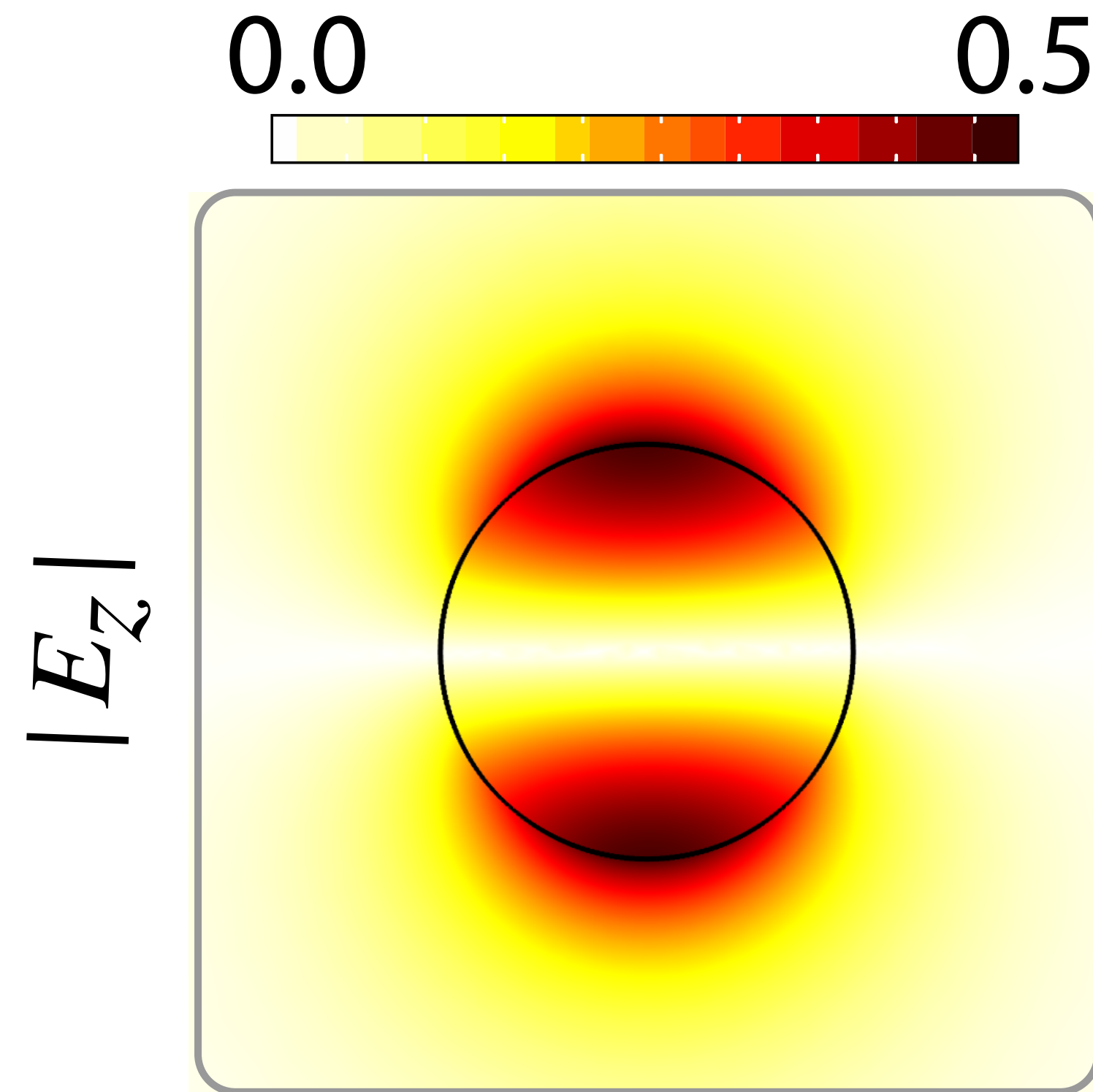
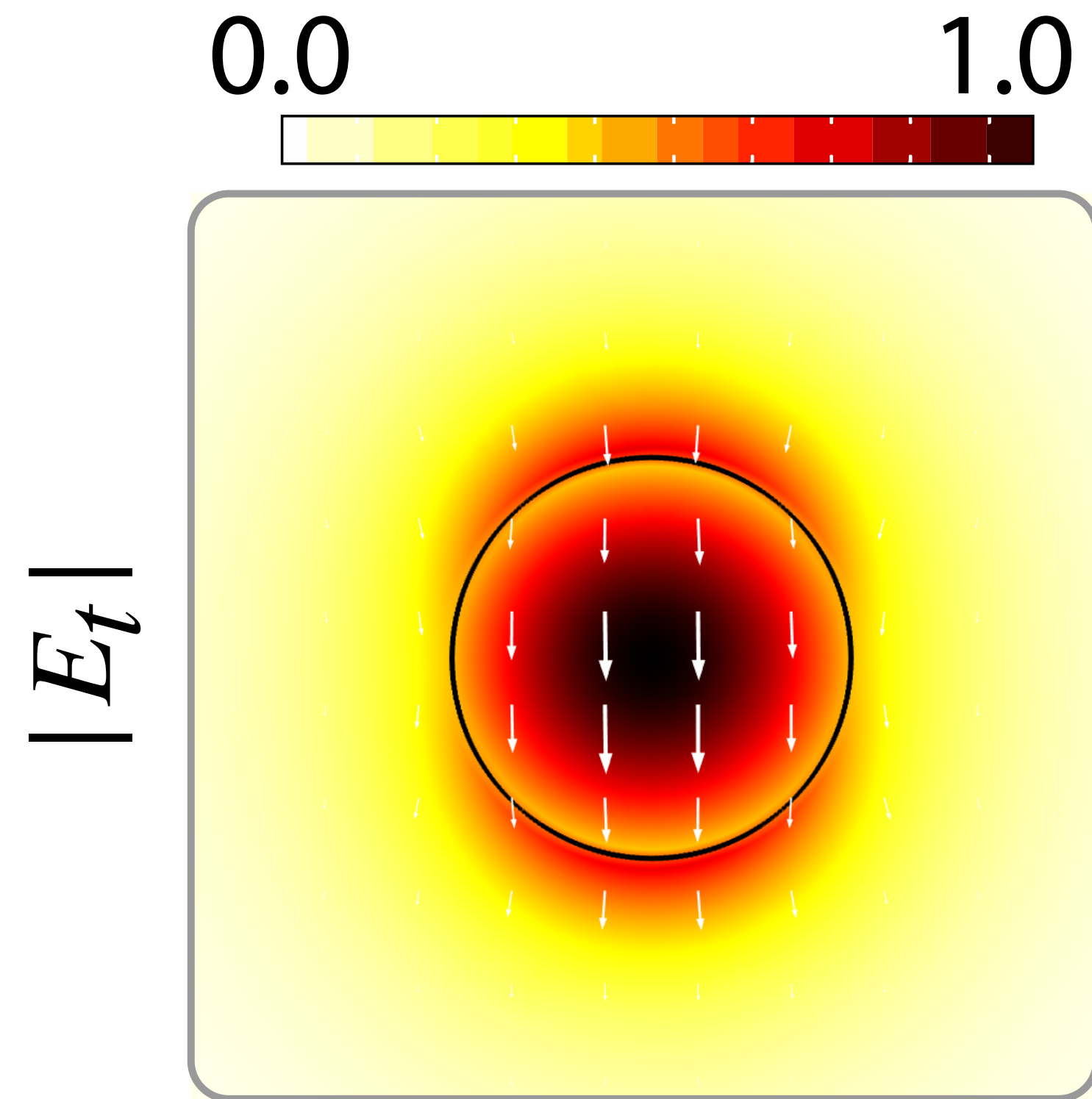


Vectorial modes





Vectorial modes



$$\nabla \cdot \mathbf{D} = 0$$

$$\frac{E_z}{E_t} \approx \frac{1}{2\pi n_{\text{eff}}} \left(\frac{\lambda}{a} \right)$$

$$\frac{E_z}{E_t} \approx 0.42$$

$$n_{\text{eff}} = 1.17; \quad 2a = 1\mu\text{m}; \quad \lambda = 1.55\mu\text{m}$$