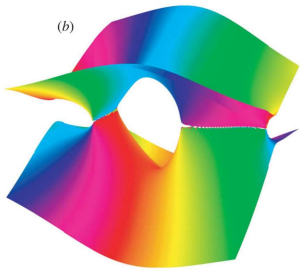
研究内容 非均匀 傅立叶光学：不同 $\bar{\bar{\varepsilon}}$ 电介质 中的 偏振态

Figure 2. Real parts of eigenvalues $\lambda^{\pm}$



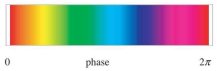
$$k_z^{\omega\pm} = \sqrt{k_{0\omega}^2 N_{\omega\pm}^2 - k_\rho^2} + \mathbb{i} k_0^\omega K_\omega^\pm$$

$$\left[\bar{g}_\lambda^{\omega\pm} = \bar{\bar{R}}_\lambda \cdot \bar{\bar{\eta}}^\omega \cdot \underline{\bar{\mathcal{T}}}_{\lambda\odot}^{\lambda} \cdot \underline{\bar{d}}_{\theta\phi}^{\omega\pm}\right]_\perp$$

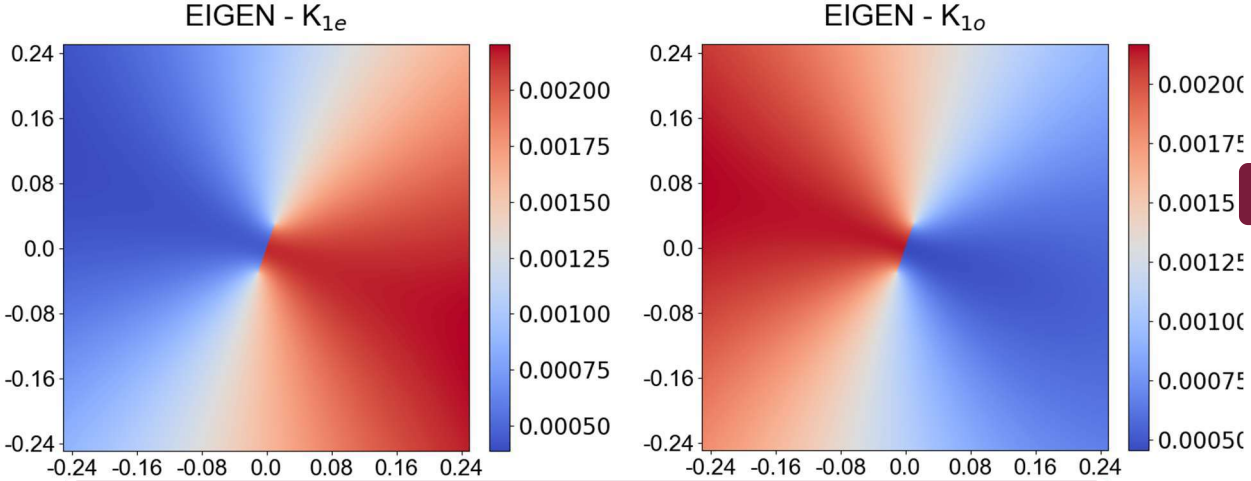
$$w_{\text{circular}}^{\pm} = \frac{d_{\text{L}}^{\pm}}{d_{\text{R}}^{\pm}} = \tan\tfrac{1}{2}\mu^{\pm} \exp(2\mathrm{i}\phi_{\text{ellipse}}^{\pm}) \qquad 2\phi_{\text{ellipse}}^{\pm}$$

$\arg w_{\text{circular}}$ (equation (3.21)), showing C points where all colours meet

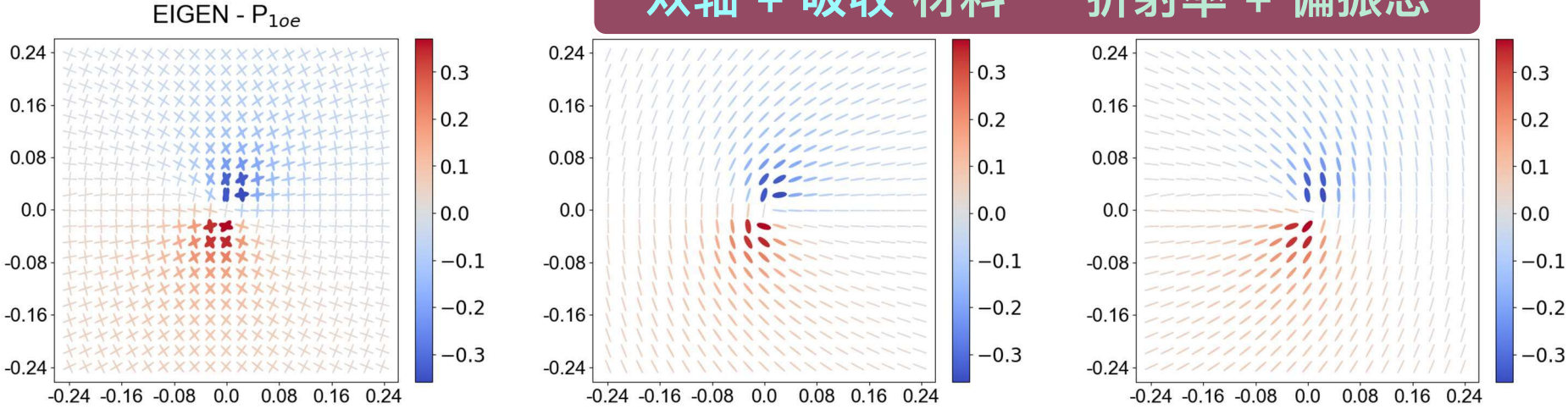
$(b)\ A = 0.1,\ \Gamma = 0$ (absorbing non-chiral)



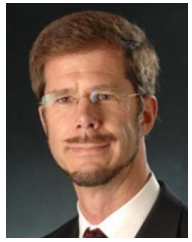
$\mathrm{Im}[\bar{\bar{\varepsilon}}_s]$ = 吸收 > 手性 = $\mathrm{Im}[\bar{\bar{\varepsilon}}_a]$



双轴 + 吸收 材料 — 折射率 + 偏振态



Berry's 解析解



Leod's 非均匀

This work