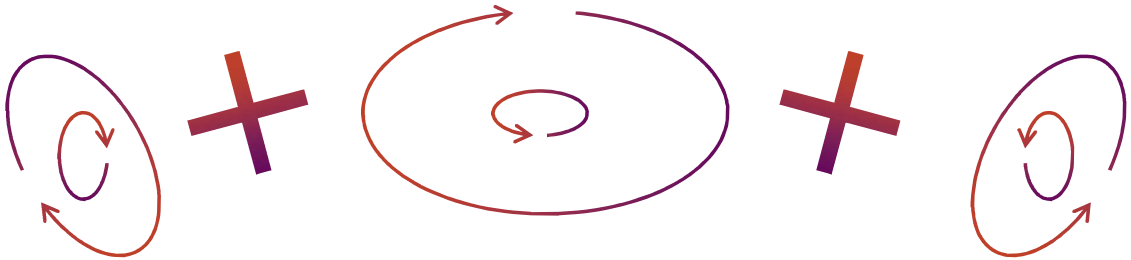
2017 - 晶体锥形折射与环形基体锥面反射的理论及实验研究 - 天津大学 - 杜

2014 - Experimental study of internal conical refraction in a biaxial crystal with Laguerre–Gauss light beams - J. Opt. - Peet

2005 - Orbital and spin angular momentum in conical diffraction - Berry et al

◆ 圆偏 OAM 锥折射：检圆偏



$\sigma_+ = \sigma_P$

$l_+ = l_P$

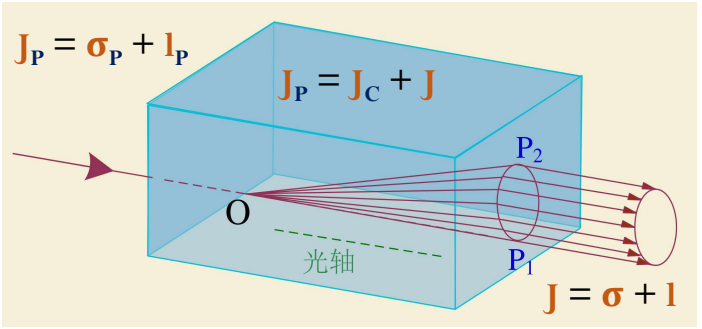
$\sigma_- = -\sigma_P$

$l_- = J_P$

$J_C = \sigma_P / 2$

泵浦 + 晶体 + 出射光 的 总 自旋 + 轨道 角动量 守恒？

P + C + O 的 总 σ + l 守恒？



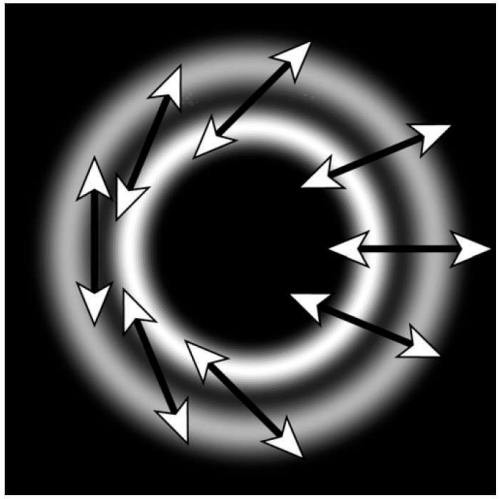


Figure 3. Linear polarization everywhere for well developed rings (section 4.1), dependent on azimuth but not radius.

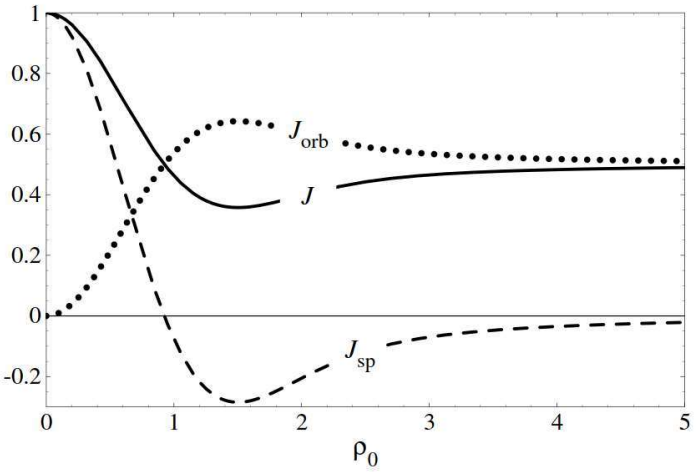


Figure 4. Angular momenta as a function of scaled cylinder radius ρ_0, for zero chirality, calculated from (27).