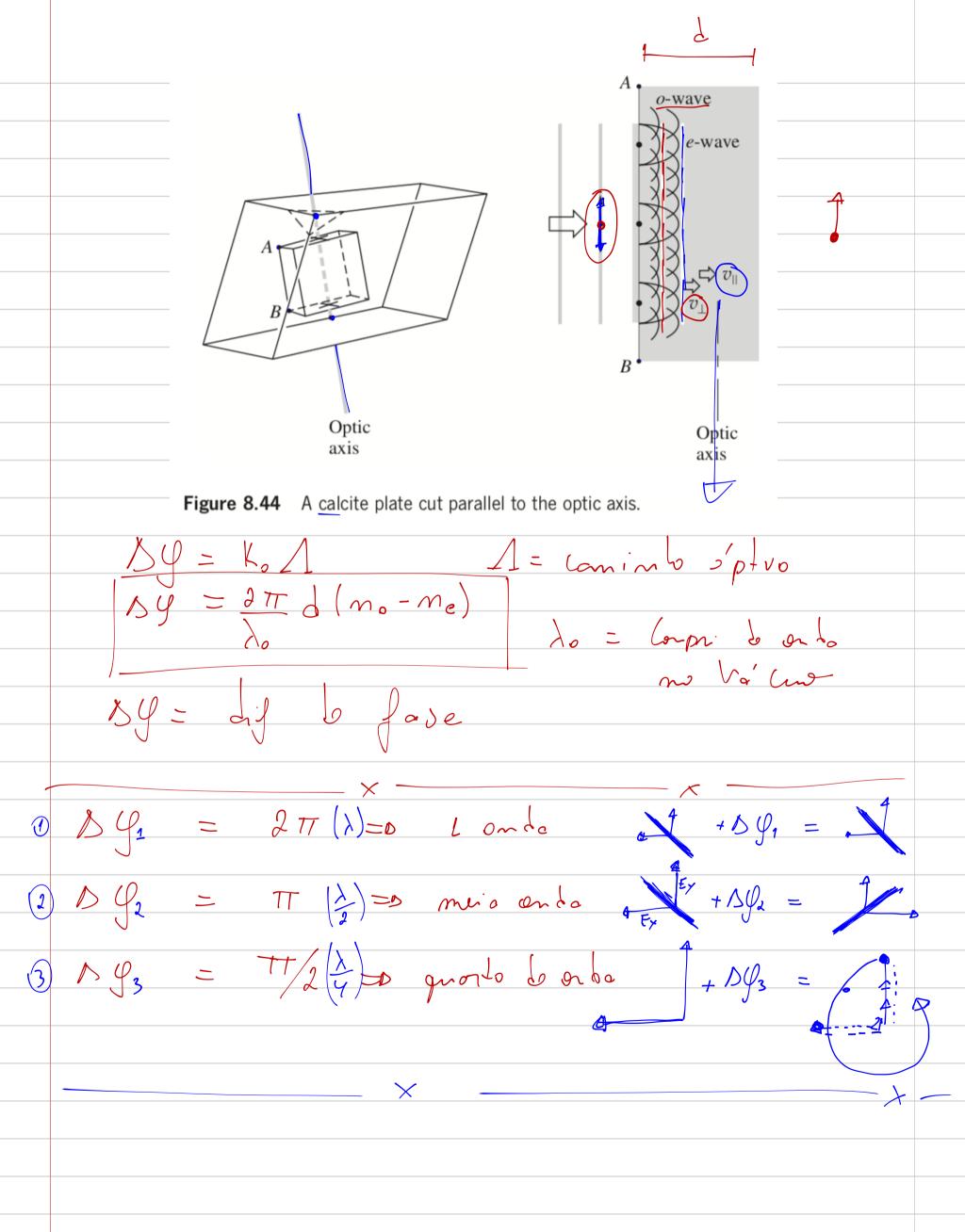


Figure 8.43 A calcite plate cut perpendicular to the optic axis.



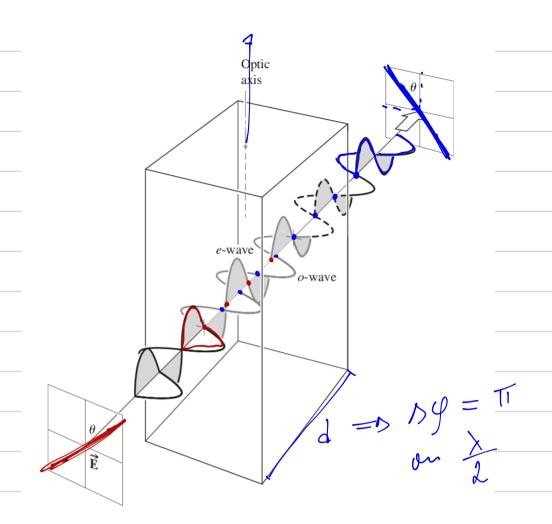


Figure 8.45 A half-wave plate showing how a net phase shift accumulates with the retarder.

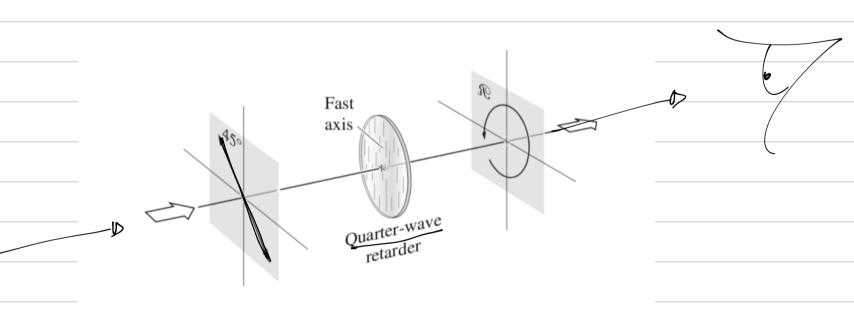
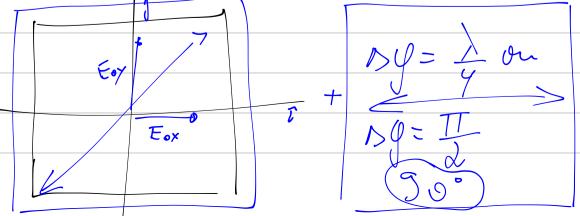
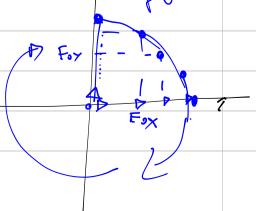
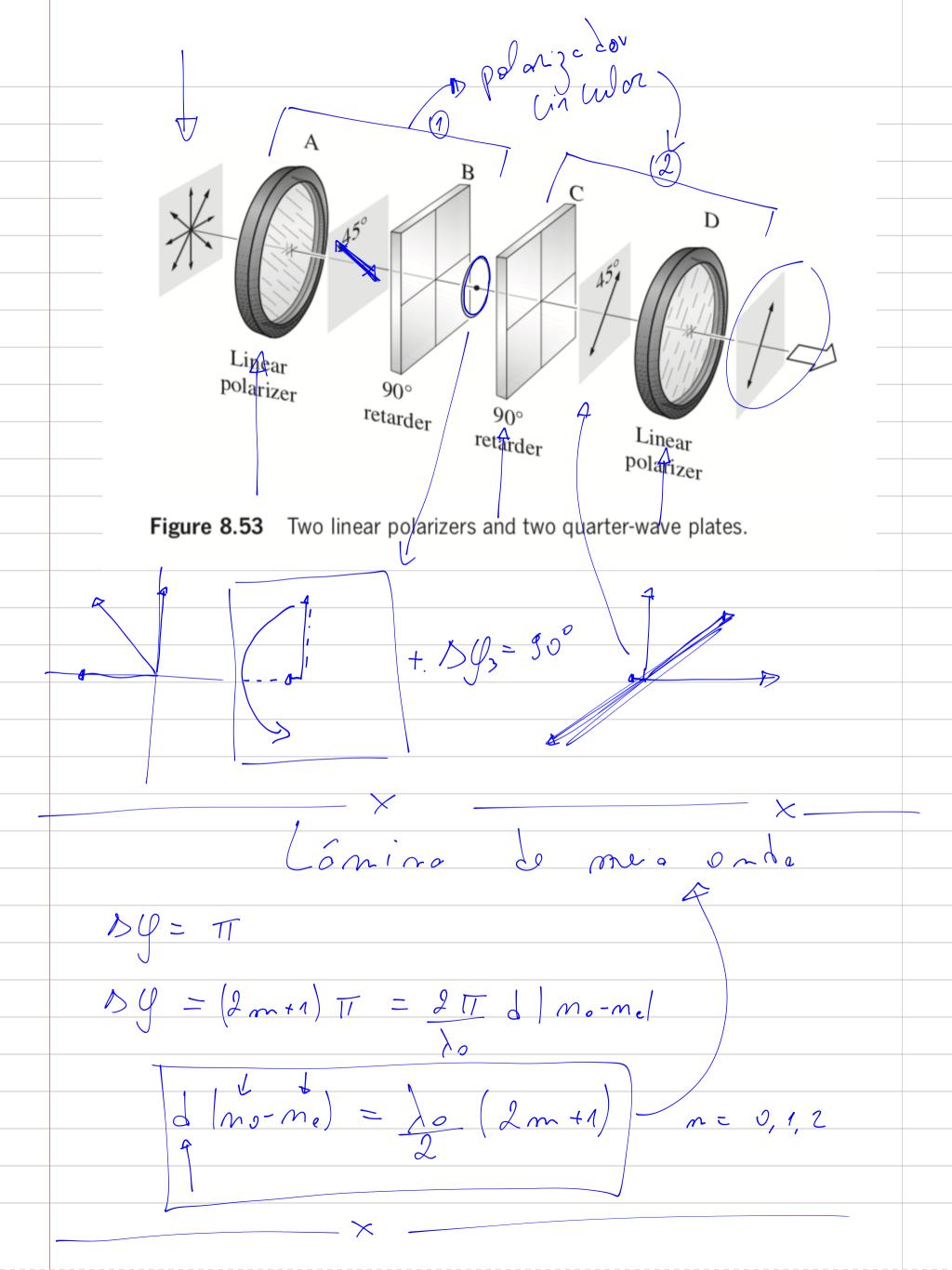


Figure 8.47 After passing through the retarder $\vec{\mathbf{E}}_y$ leads $\vec{\mathbf{E}}_x$ by $\pi/4$. Thus (from Fig. 8.9) the quarter-wave plate transforms light initially linearly polarized at an angle 45° (oscillating in the first and third quadrants) into right-circular light (rotating clockwise looking toward the source). Notice that the linear light would have to be rotated clockwise to come into alignment with the slow axis (through the smallest angle). Therefore the emergent light rotates clockwise.





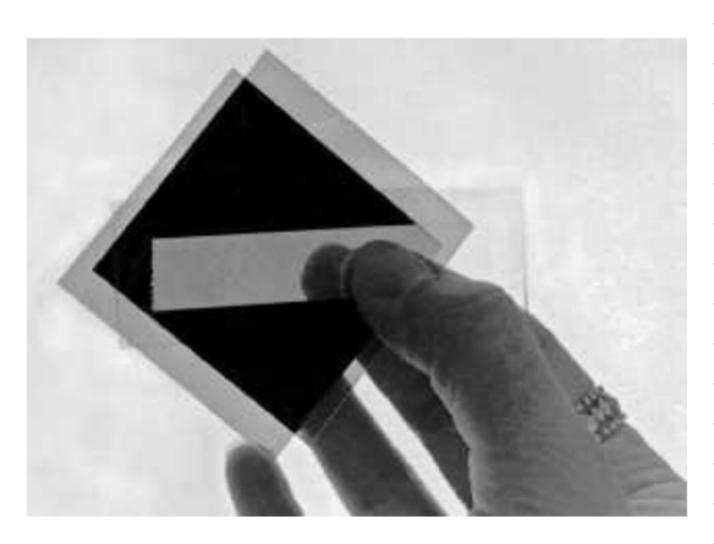


Lômiro quando de ando

$$DY = TT$$

$$= (2m+1)TT = 2TT de mo-me)$$

$$J[mo-me] = (4m+1) do$$



A hand holding a piece of clear cellophane stuck to a microscope slide between two crossed polaroids. (E.H.)

