

93. We apply Eq. 34-40 (once) and Eq. 34-42 (twice) to obtain

$$I = \frac{1}{2} I_0 \cos^2 \theta_1 \cos^2 \theta_2 .$$

With $\theta_1 = 110^\circ$ and $\theta_2 = 50^\circ$, this yields $I/I_0 = 0.024$.