

62. From Fig. 34-19 we find  $n_{\max} = 1.470$  for  $\lambda = 400 \text{ nm}$  and  $n_{\min} = 1.456$  for  $\lambda = 700 \text{ nm}$ . The corresponding Brewster's angles are  $\theta_{\text{B},\max} = \tan^{-1} n_{\max} = \tan^{-1}(1.470) = 55.77^\circ$  and  $\theta_{\text{B},\min} = \tan^{-1}(1.456) = 55.52^\circ$ .