

61. The angle of incidence θ_B for which reflected light is fully polarized is given by Eq. 34–48 of the text. If n_1 is the index of refraction for the medium of incidence and n_2 is the index of refraction for the second medium, then $\theta_B = \tan^{-1}(n_2/n_1) = \tan^{-1}(1.53/1.33) = 63.8^\circ$.