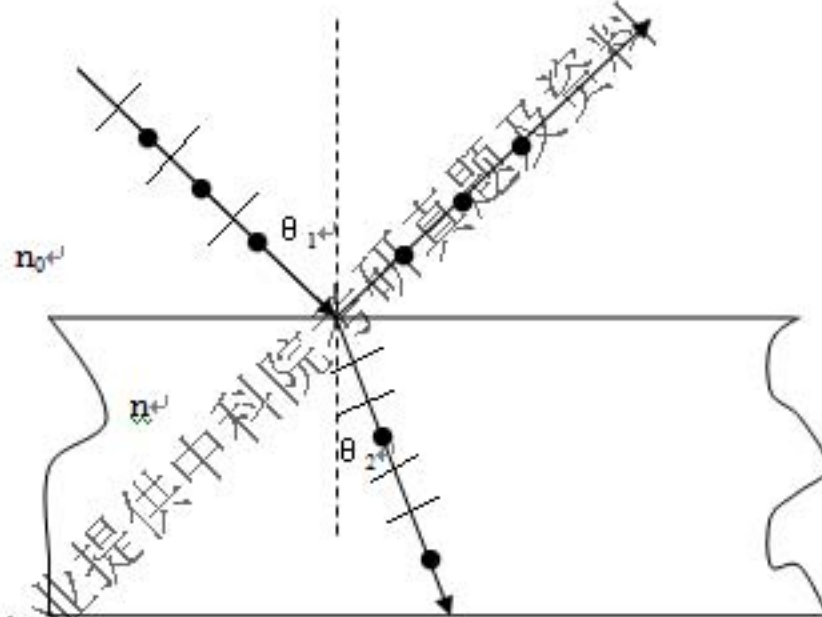
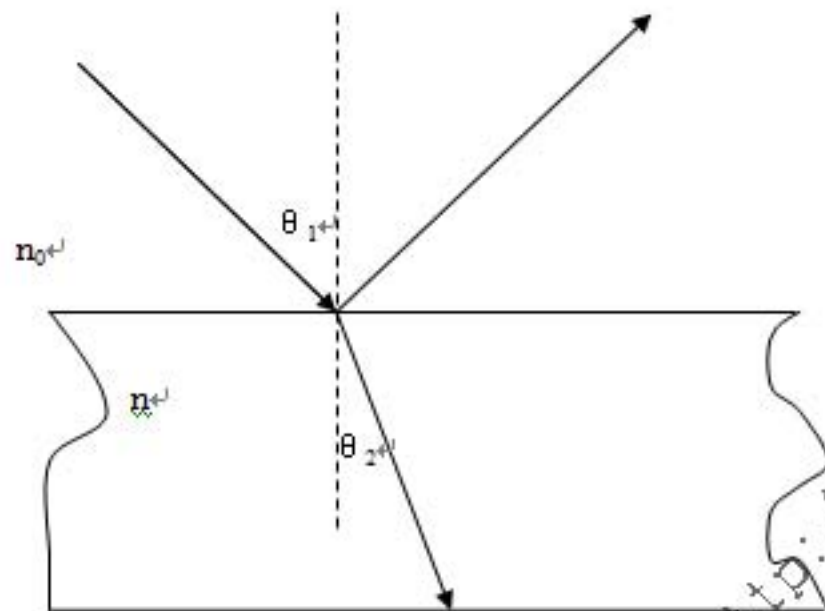


祝各位研友马到成功，金榜题名

2009年光学答案



1. 解：由菲涅尔公式得到入射光中 s, p 分量的反射率和透射率公式分别为：

$$R_s = r_s^2 = \frac{\sin^2(\theta_1 - \theta_2)}{\sin^2(\theta_1 + \theta_2)}, \quad T_s = 1 - R_s$$

$$R_p = r_p^2 = \frac{\tan^2(\theta_1 - \theta_2)}{\tan^2(\theta_1 + \theta_2)}, \quad T_p = 1 - R_p$$