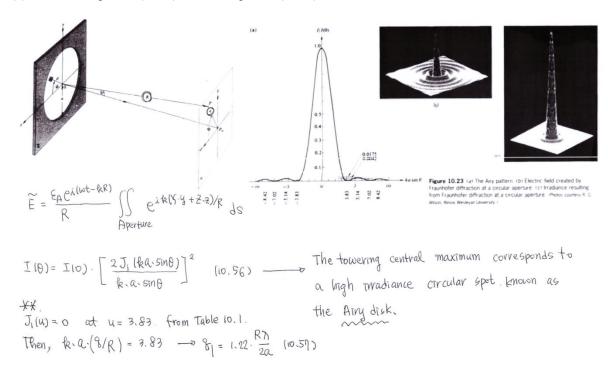
Pre-Report (Diffraction)

- (1) Derive the equation (10.56)
- (2) Derive the equation (10.57) from the equation (10.56).



- (3) If the distance between a hole with a diameter 0.1 mm and a screen is 1 m with a laser having a wavelength of 633 nm, how much is a radius of an Airy disk?
- (4) Describe the diffraction pattern caused by a knife edge.

(END)