

CONCEPTUAL PROBLEMS, Chapter 38

Phys 2401, Dr. Huang

1. [] Single-slit diffraction is resulted from light from one portion of the slit interfering with light from another portion.
2. [] According to Rayleigh's criterion, any optical device has a resolution limit.
3. [] To improve the resolution of a lens, one can either increase the diameter of the lens or decrease the frequency of the light.
4. [] A diffraction grating consists of a large number of equally spaced, identical slits.
5. [] If the incident angle of a light equals Brwester's angle, the reflected beam would be partially polarized.