

CHAPTER 7: DIFFRACTION

Reading:

Chapter 7 of Blandford and Thorne.

Problems

A. Do:

1. Exercise 7.1 Pointillist painting, or
2. Exercise 7.2 Thickness of a human hair

B. Do:

1. Exercise 7.3 Diffraction grating, or
2. Exercise 7.5 Light scattering by particles

C. Do:

1. Exercise 7.6 Zone plane, or
2. Exercise 7.11 Wavelength scaling at a caustic

D. Do: Exercise 7.10 Convolution via Fourier optics