

CHAPTER 10: ELASTOSTATICS

Reading:

Chapter 10 of Blandford and Thorne.

Problems

- A. Do: Exercise 10.3, Order of Magnitude Estimates
- B. Do:
 - 1. Exercise 10.1a, Connection in Cylindrical Coordinates [only part a, not part b], and ALSO Exercise 10.2, Expansion in Cylindrical Coordinates [do only the cylindrical case, not the spherical case]; OR
 - 2. IF you feel you already understand connection coefficients well, then do Exercise 10.5, Torsion Pendulum.
- C. Do:
 - 1. Exercise 10.9 Elastica, OR
 - 2. Exercise 10.10 Foucault Pendulum
- D. Do:
 - 1. Exercise 10.12 Paraboloidal Mirror, OR
 - 2. Exercise 10.4, Fracture of a Pipe