

**CHAPTER 10: ELASTOSTATICS - Second Half;
and CHAPTER 11: ELASTODYNAMICS - first half**

Reading:

Sections 10.6 – 10.8 of Blandford and Thorne.
Sections 11.1 – 11.3 of Blandford and Thorne

Problems - to be turned in at the beginning of class on Wednesday 17 January

- A. Exercise 10.19, Dimensionally reduced shape equation for a stressed plate
- B. Do one of the following two exercises:
 - 1. Exercise 10.17, Elastica
 - 2. Exercise 10.20, Paraboloidal mirror
- C. Do one of the following two exercises:
 - 1. Exercise 11.2 Influence of gravity wave on speed
 - 2. Exercise 11.7 Xylophones
- D. Do one of the following two exercises:
 - 1. Exercise 11.3 Solving the algebraic wave equation by matrix techniques
 - 2. Exercise 11.6 Speeds of elastic waves