

Homework assignment #8
Due on Tuesday 04/26/2016

Make sure to read all the instructions listed on this document!

Learning objectives

Please study your class notes and the corresponding sections of the textbook before completing the assignment. After completing this assignment, you should be able to:

- Apply formula for the traveling wave solution for string vibration
- Determine the mode shapes and natural frequencies for string, rod or beam vibrations

Solve the following problems of the textbook:

- Problem 8.4
- Problem 8.17
- Problem 8.20
- Problem 8.31

For each problem, you need to show your work and circle your final answer. Please staple your homework.