

NORTHERN ILLINOIS UNIVERSITY

PHYSICS DEPARTMENT

Physics 210 – Mechanics & Heat

Spring 2021

Problem Set #11

Problem Set Due: Thurs., April 1, 2021

Read OpenStax: Chapter 11.1-11.4, 11.7, 13.1-13.4 Lecture Notes #9 & #10

**Show explicitly all your work for full credit.**

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 1. Expert TA: <b>15.1.2</b>       | show calculation and figure       |
| 2. Expert TA: <b>15.1.3</b>       | show calculation and figure       |
| 3. Expert TA: <b>15.2.1</b>       | show calculation and figure       |
| 4. Expert TA: <b>c15.4.5</b>      | <i>conceptual problem—explain</i> |
| 5. Expert TA: <b>15.4.3</b>       | show calculation and figure       |
| 6. Expert TA: <b>15.4.19</b>      | show calculation and figure       |
| 7. Expert TA: <b>19.2.5</b>       | show calculation and figure       |
| 8. Expert TA: <b>19.4.5</b>       | show calculation and figure       |
| 9. Expert TA: <b>c19.6.1</b>      | show calculation and figure       |
|                                   |                                   |
| 10. OpenStax: <b>Example 13.6</b> | show figure and calculation       |
| 11. OpenStax: <b>Example 13.7</b> | show figure and calculation       |
| 12. OpenStax: <b>Example 13.9</b> | show figure and calculation       |