

NORTHERN ILLINOIS UNIVERSITY

PHYSICS DEPARTMENT

Physics 210 – Mechanics & Heat

Fall 2021

Problem Set #10

Problem Set Due: Thurs., Nov. 18, 2021

Read OpenStax: Chapter 13.1-13.4, 14.1-14.3, Lecture Notes #10, #11

Show explicitly all your work for full credit.

Staple solutions to Problems #1-10 together

- | | |
|-----------------------------------|-----------------------------|
| 1. OpenStax: Example 13.1 | show figure and calculation |
| 2. OpenStax: Example 13.3 | show figure and calculation |
| 3. OpenStax: Example 13.6 | show figure and calculation |
| 4. OpenStax: Example 13.9 | show figure and calculation |
| 5. OpenStax: Example 13.10 | show figure and calculation |
| 6. Expert TA: 20.2.2 | show calculation and figure |
| 7. Expert TA: 20.2.22 | show calculation and figure |
| 8. Expert TA: 20.3.1 | show calculation and figure |
| 9. Expert TA: 20.3.2 | show calculation and figure |
| 10. Expert TA: 20.3.7 | show calculation and figure |

Number your solutions to these problems from 1 to 10.