

NORTHERN ILLINOIS UNIVERSITY

PHYSICS DEPARTMENT

Physics 162 – Astronomy

Spring 2024

Problem Set #9

Problem Set Due: Thurs., Apr. 11, 2024

Read OpenStax: Chapter 25

There will be a Quiz #3 on Tuesday, April 16

Show explicitly all your work for full credit.

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|------------------------|------------------|
| 1. Expert TA: 25.1.2 | multiple choice |
| 2. Expert TA: 25.1.10 | multiple choice |
| 3. Expert TA: 25.1.14 | multiple choice |
| 4. Expert TA: 25.1.15 | multiple choice |
| 5. Expert TA: 25.1.20 | multiple choice |
| 6. Expert TA: 25.1.24 | multiple choice |
| 7. Expert TA: 25.1.33 | multiple choice |
| 8. Expert TA: 25.1.36 | multiple choice |
| 9. Expert TA: 25.2.1 | show calculation |
| 10. Expert TA: 25.3.2 | draw figure |
| 11. Expert TA: 25.6.1 | true/false |
| 12. Expert TA: 25.6.20 | true/false |

Various ways to get your 5% grade (see Syllabus):

- (a) One Blackboard or Zoom meeting (originally in the syllabus)
- or
- (b) One Office Meeting
- or
- (c) One visit to the Observatory (have the TA email me of your attendance)
- or
- (d) Attend the solar eclipse this Monday (April 8th) outside in the courtyard behind Faraday Hall (the physics building) from 12:30 to 3:30pm. I will be there.
- or
- (e) Upload to Blackboard a one-page paper on some aspect of astronomy that interests you.

Some students have already satisfied their 5% grade—they will see their score on Blackboard.