

[Question-specific project title]

[Your name] / PHYS V1100 / Fall 2026

Topic: [letter or approved alternative]

Submitted: [date]

Abstract

[State the question, approach, central result, and principal check in roughly 100–150 words. Do not use the abstract as a table of contents.]

1. Question and motivation

[What did you investigate, and why is this a useful mechanics question? State the approved scope and explain a material revision if one was made.]

2. Model and assumptions

[Define variables, parameters, units or nondimensionalization, initial/boundary data, and assumptions. State what is held fixed in comparisons. A compact diagram may help.]

3. Necessary foundation

[Present the baseline mechanics needed for your argument. Explain important steps; do not repeat every lecture derivation. Attribute supplied material and distinguish it from your investigation.]

4. Investigation and central result

[Develop the focused comparison, derivation, or counterexample. Show what choices you made and what result answers your question. Add subsections only where they help.]

[Project title], continued

Validation, interpretation, and supporting information

5. Validation

[Describe at least one meaningful independent check and its outcome. Explain what the check tests and what it cannot establish. For computation, address numerical error at the accuracy claimed.]

6. Interpretation and limitations

[Explain why the result occurs, how it connects to the mechanics, what assumptions matter, and what remains uncertain. Distinguish an exact result, an approximation, and an interpretive conclusion.]

7. Conclusion

[Answer the original question in a few direct sentences. A well-supported negative result is a result. Do not introduce a new investigation here.]

Contribution and tool-use statement

[Identify the substantial result or decision you intellectually own. Disclose significant collaboration and AI/tool assistance, its purpose and influence, and how important outputs were checked. State when no generative AI was used.]

References

[Use a consistent citation style and cite claims where they occur. Verify each reference. Replace this paragraph with references relevant to your actual investigation.]

Appendix, only if needed

[Include supporting algebra or reproducibility details that would interrupt the main argument. Do not move the central result or its decisive check out of the main text.]

Template note – remove before submission: Target 6–8 single-column pages including figures, maximum 10 main-text pages, with references/appendices additional. There is no arbitrary minimum. This is an editable outline, not a report to submit unchanged. The final report is due December 21 by 11:59 PM, New York time. Submit the PDF separately from the supporting-code ZIP. This file compiles without external figures or a bibliography database.