

PHYS 304 – Assignment #1

Due Wednesday, Sept. 24 at 14:00

Your Assignment:

Please complete problems 1.3, 1.5, 1.7, and 1.9 from the 3rd Edition of Griffiths.

The solutions to these problems can be found online. However, I strongly encourage you to resist the temptation to look them up (or ask an AI). The real learning happens when you wrestle with the problems yourself: trying an approach, getting stuck, rethinking, and trying again. That struggle is not wasted effort, it's how expertise is built, step by step.

AI can be a powerful tool for refining and deepening your understanding of concepts from the course. But if it's used as a shortcut to avoid the struggle, it deprives you of the very learning opportunities that matter most.

Working at the edge of your current ability is the surest path to growth. Peeking at solutions too early short-circuits that process.

You are, of course, welcome (and encouraged) to discuss the problems with classmates. Do this only after you've made a serious and sustained attempt on your own. And when you do collaborate, focus on sharing strategies, approaches, and insights, rather than finished solutions.

Additional practice problems (won't be graded):

1.1, 1.4, 1.11, 1.18 from the 3rd Edition of Griffiths.