

Oberlin College Physics 212, Fall 2021

## Assignment 8:

### What Is Quantum Mechanics About?

Wednesday, 1 December

*Reading:* From *Invitation to Quantum Mechanics* read chapter 3, (“Forging Mathematical Tools”).

*Take-home exam* instead of problems next week (i.e. exam due on 15 December). The exam will cover classical waves and the quantum mechanics ideas in chapters 1 and 2 of *Invitation to QM*.

*Problems:* Due Wednesday, 8 December. From *Invitation to QM*.

1. problem 2.1: “Exit probabilities”
2. problem 2.4: “Tilted analyzer loop”
3. problem 2.6: “Three analyzer loops”
4. problem 2.7: “Bomb-testing interferometer”