

Oberlin College Physics 110, Fall 2011

Assignment 10

Wednesday, 16 November

Reading: This course is titled “Mechanics and Relativity”. Next Monday we move from classical mechanics into relativity. Some books are on reserve, and I have sketchy notes in chapter 5 of your “Notes on Mechanics and Relativity” packet, but for the most part you’ll have to pay special attention in class. (As you might expect, the book on reserve that I most closely follow is my own work *Relativity for the Questioning Mind*, which you might enjoy even though it is below the mathematical level of this course. HRW has a chapter on relativity that I do not follow.)

Workshops: The Wednesday–Thursday workshop for this week is “Rotation and Gyros”.

Problems: Due Wednesday, 23 November.

- Additional Problem 95: *Seiches on a lake*.

There is only one problem, but it’s a long one, with parts (a) through (i). I think you’ll enjoy seeing how the various techniques we’ve learned throughout the semester can be used together to solve a pretty formidable problem.