

Astrophysics of Compact Objects (171.156), Fall 2011

Problem Set 4

Due: In class, 29 September 2011

1. Do problems 1-8 in Ch. 4 of Frank, King, and Raine. It looks like a lot, but the problems are relatively simple and instructive.
2. Read Sections 6.3–6.4 in Rosswog and Brüggen. This has a nice discussion of x-ray binaries and neutron-star binaries, important subjects that we may not spend a lot of time on in class. Then do problem 6.6 from Rosswog and Brüggen. Again, this is a relatively simple but instructive problem.