Final Exam problems for Modern 2

D. Craig, WTAMU

2008–04–30

    Here is the final exam, due May 9 by midnight. (Grades are due most places at the end of that weekend, please send it earlier if possible.) This has the same weight as a regular test, but has about one question per chapter.

    All of the questions are from your text or the online supplementary chapter 16.

11.10 Disassociation energy for hydrogen molecule.

12.14 Sodium properties.

13.2 Neutron star matter

14.2 C-12 fusion in a supernova. This is the type of fusion that occurs in the supernovas that have been used to detect cosmic acceleration. This allows the energy output to be estimated with fair accuracy.

14.58 KE in fission. Use the results of problem 14.57

(Solve 14.57 for a bonus.)

15.18 Particle quark properties.

16.12 In the online PDF chapter.