

Due date: Thursday, Feb. 5

Deadline: Tuesday, Feb. 10

B means a problem in Blundell & Blundell's text; GT means a problem in Gould & Tobochnik.

Problems 1 and 3 are *not* assigned this year, but their solutions will be posted. Obviously, you cannot turn in problem 0.

0. Correct the typos in your copy of Blundell & Blundell as listed on their website and, additionally, on ours. See the links in the first sentence of "Text" on the class syllabus webpage:

<http://www.physics.umd.edu/courses/Phys404/einstein/Spring09/syllabus.html>

(There was a version posted a couple days ago with errors on p. 339ff, preceded by **; those "corrections" are incorrect. A version was posted on Jan. 29 removing that item and adding some more corrections.)

~~1. B 1.2~~

2. B 1.4

~~3. B 1.5~~

4. B 2.3

5. B 2.5

6. B 3.3

7. B 3.4

8. GT 1.1, parts a-d, using

<http://stp.clarku.edu/simulations/approachtoequilibrium/md3/index.html>

In part d, ignore the instruction to create a video download!

The two-particle simulation is alleged to be at

<http://stp.clarku.edu/simulations/approachtoequilibrium/md2/index.html>

but this again gives 3 partitions, so skip part e! (ADDED on Feb. 6)