

## Homework III

**Due** *Wednesday January 30, 2008* by 2 pm.

**Read** Chapter 12.

**Problems:**

1. At what time of the year is your wine cellar coldest? A qualitative discussion is sufficient, unless you want to solve a PDE. The main variability of temperature at the Earth's surface is daily.
2. Estimate the heat content of the atmosphere and of the oceans. What does this suggest about climate?
3. 11.24
4. 11.27
5. 11.28
6. 11.30
7. 11.32
8. 11.34

**Quiz II:** The second quiz will be on Wednesday January 30. It will be closed book and will cover the material from Chapter 11 of the book.