

# Space: Its Light , Its Shape.

## Cosmology VIII: The Shape of Space II

**Assignment: Discussion starts Friday, April 29**

- Read chapter 22 for seminar discussion.
- Please feel free to bring up other issues you find interesting or puzzling. If at all possible send an email before seminar to me. I will present this topic as my assignment or open it up to discussion by the whole seminar.
- Some of these require additional reading for the presenting team. If I don't explicitly give the reference then the additional information is easy to find on the internet.
- Though everyone is responsible for reading all of the material and for working out all of the exercises, teams have been specific material and exercises for which they are responsible in class presentations. You may want to come to class early to firm up and smooth out the exercises with your teammates.

**Team 2:** Review recombination for us (pages 296-297).

**Team 3:** Discuss the “black body” spectrum with the seminar. Help us recall the discussion in Harrison chapter 17 on the subject.

**Team 4:** What is the surface of last scattering?

**Team 1:** Exercise 22.1

**Team 2:** We have only one sky, one one set of CMB data so what does Weeks' mean by “multiple images”?

**Team 3:** Lead a discussion of Figure 22.9.

**Team 4:** Exercise 22.2.

**Team 1:** Exercise 22.3.

**Team 2:** Exercise 22.4.

**Everyone:** Reflections on the seminar Space: Its Light, its Shape.