Week 7: Reading and Exercises

Reading: Please read Chapter 8 carefully this week, at least twice. As with all serious mathematical reading, have pen and paper handy and work through the details for yourself as you read. (This is what the basic exercises ask you to do anyway.)

As well, your final assignment (project, really) is to read the excerpt from Munkres distributed in class. One initial step is to work out the bridge from Baker’s book to Munkres’s book; which theorems and definitions are being used without being cited? How does the narrative relate to the simplest examples in your textbook?

Exercises: Please work through the following exercises in the book. (Do not hand in.)

- Sec. 8.1: #1–8,10,12 (p137-8)
- Sec. 8.2: #1,4,5,6, 9, 10 (and maybe #7) (p142-3)
- Sec. 8.3: #1–5, 7–9, 12 (p146)
- Sec. 8.4: #1–6,8 (p149)