

Algebraic topology, Fall 2013

Homework 2, due Wednesday, September 18

Hatcher Chapter 0, pages 19-20, exercises 20, 22, 23, 28. Chapter 1, Section 1.1, pages 38-39, exercises 5, 16, 17. Chapter 1, Section 1.2, pages 52-53, exercises 2, 4, 9.

Discussion: Hatcher Chapter 0 Proposition 0.19 and applications.
Other possible topics: Example when direct product of CW-complexes is not a CW-complex. Theorem 1.10 and Corollary 1.11 (Hatcher).
Exercise 10 from Section 1.2.