

**Mathematics 246A**  
**Algebraic Topology — I**  
**Course Notes**  
**Winter 2007**

**Department of Mathematics**  
**University of California, Riverside**

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On the next page there are comments on topics covered in the course but not appearing in the notes.

## OTHER TOPICS COVERED

The following topics were also covered in the course, and corresponding references to Hatcher are given. In each case, the treatment in Hatcher was supplemented by material in the course directory, and the relevant pdf files are listed.

### V. Geometric applications

V.0. The Brouwer fixed point theorem (Hatcher, 2.1; Munkres, ??)

See also `brouwer.pdf` in the course directory.

V.1. Degree theory (Hatcher, 2.2)

See also `degree.pdf` in the course directory.

V.2. Classical theorems of Jordan and Brouwer (Hatcher, 2.A; Munkres, 61 – 64)

See also `jbsep.pdf` in the course directory.