

EXCISION AND MAYER-VIETORIS: CLASSICAL EXAMPLES

1. Relative homology and reduced homology of the 'crush space'

[Hatcher p. 124]

2. Local homology, invariance of dimension

[Hatcher p. 126]

3, 4: Isomorphism between simplicial and singular homology: inductive M-V argument

[Rotman p. 149-151]

5: homology of a wedge sum

[Hatcher p. 126]

6: homology of sphere minus disk and sphere minus surface (Jordan-Brouwer)

[Hatcher p. 169, Rotman p. 126-129]

7: invariance of openness

[Rotman p. 129, Hatcher p. 172]

8: degree of maps: main properties, computation from local degrees

[Hatcher p. 134-136]

9: attachment spaces: homology exact sequence of attachment; real and complex projective spaces

[Rotman p. 190-193]

