INTRO TO ALGEBRAIC TOPOLOGY
HOMEWORK 7 DUE MARCH 26

Turn in the following:

(1) Hatcher Exercise 2.1.1 (p. 131)
(2) Hatcher Exercise 2.1.5 (p. 131)
(3) Find a Δ-complex structure for the orientable surface of genus two and compute the simplicial homology groups of this Δ-complex.
(4) Find a Δ-complex structure for S^3 and compute the simplicial homology groups of this Δ-complex.
(5) Hatcher Exercise 2.1.8 (p. 131)

Think about the following (but do NOT turn in):

- Find a Δ-complex structure for the orientable surface of genus g and compute the simplicial homology groups of this Δ-complex.