

Assignment IV: Comology and Homotopy theory

March 27, 2023

Practice problems

1. Section 3.1 (Pages 204-206) of Hatcher: 3, 6, 8, 9, 11, and 12.
2. Section 3.2 (Pages 228-230) of Hatcher: 1, 3, 5, 7, 8, 11, 16, and 18.
3. Section 3.3 (Pages 257-260) of Hatcher: 1-11, 16-22, and 25-26.
4. Section 4.1 (Pages 358-360) of Hatcher: 2, 4-9, and 11-12.

Problems for submission

Please turn in your solutions to the following problems from the practice problems listed above by the due date. (Due 10/4/2023)

- Problem 1: Exercise 11
- Problem 2: Exercises 1 and 3
- Problem 3: Exercises 7 and 26
- Problem 4: Exercise 11