From Calculus to Cohomology

Homework 5

Exercise 1. Calculate $H^k(\mathcal{N}(S^n))$ where $\mathcal{N}(S^n) = \{x \in \mathbb{R}^{n+1}; \; ||x|| \in (1 - \varepsilon, 1 + \varepsilon)\}$.

Exercise 2. Exercises 6.3, 6.4 from the book.

Suggested Exercise 1.
Exercises 6.5 from the book.

These exercises are to be discussed on Thursday November 23rd.