# Differential Geometry III – Homework 02

Submission: November 7, 2018, 12:15 am

---

**1. Exercise**                                                                 (4 points)

Construct a 2-covering of the Klein bottle with a torus. Justify your solution.

**2. Exercise**                                                                 (4 points)

The Klein bottle contains two Möbius strips. Justify why they are not homotopic.

Total: 8