Differential Geometry Feedback Exercise 1

2025

The feedback exercises are not mandatory. They will not be graded and they will not count toward your final grade. Our intention with them is to still give you the opportunity to receive feedback on your understanding of the material.

Exercise 1: Is the map $f : \mathbb{S}^2 \to \mathbb{R} : (x, y, z) \to x$ a submersion?