

4 - Mapping Surfaces: The Metric

June 8, 2022

1 introduction

- f

2 projective map of the sphere

- f

3 the metric of a general surface

- f

4 the metric curvature formula

- f

5 conformal maps

- f

6 some visual complex analysis

- f

7 the conformal stereographic map of the sphere

- f

8 stereographic formulas

- f

9 stereographic preservation of circles

- f