

Contents

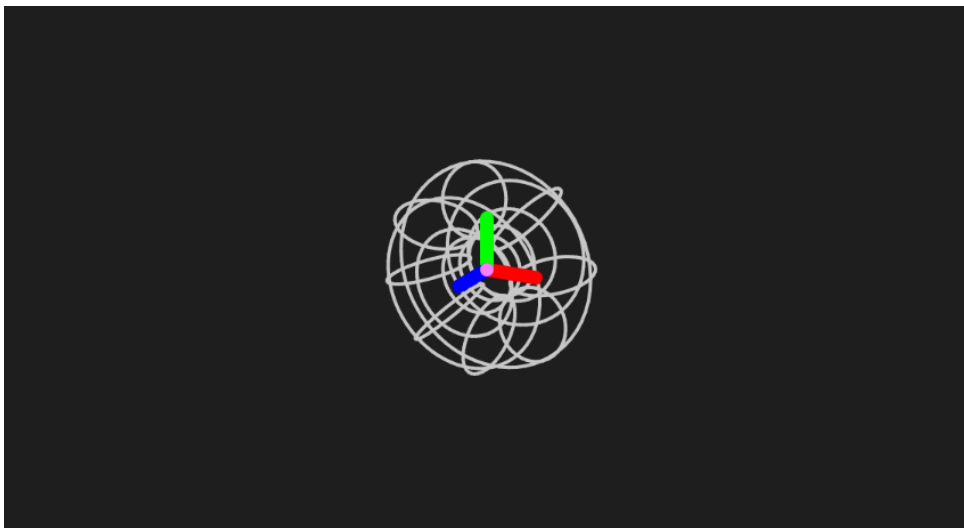
Introduction	1
Parameterised Surfaces	1
Curved Space	1
Spherical Geometry	1
Hyperbolic Geometry	1
Hyperbolic 2-Space	1
Hyperbolic 3-Space	1
How to make interactive visuals like these	1

Introduction

The format of this document is that there will be one section per geometric concept. Within each section, we will talk about some mathematical mathematical theory and discuss how it will be visualised. There will then be an interactive visualisation where you get to play around with the concept for yourself, and see first hand whatever is being described.

Parameterised Surfaces

here we test functionality of drawing parameterised surfaces in p5.js.



Curved Space

Spherical Geometry

Hyperbolic Geometry

Hyperbolic 2-Space

Hyperbolic 3-Space

How to make interactive visuals like these