

# 5 - Pseudosphere and the hyperbolic plane

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## 1 Beltrami's Insight

- Gauss

## 2 The Tractrix and the pseudosphere

- Gauss

## 3 A Conformal Map of the Pseudosphere

- Gauss

## 4 the beltrami-poincare half-plane

- Gauss

## 5 using optics to find geodesics

- Gauss

## 6 the angle of parallelism

- Gauss

## 7 the beltrami-poincare disc

- Gauss