

## CHAPTER OVERVIEW

### 3: Differential Geometry

Differential geometry uses the techniques of differential calculus, integral calculus, linear algebra and multilinear algebra to study problems in geometry.

- [3.1: Introduction to Differential Geometry](#)
- [3.2: Tangent Vectors](#)
- [3.3: Affine Notions and Parallel Transport](#)
- [3.4: Models](#)
- [3.5: Intrinsic Quantities](#)
- [3.6: The Metric \(Part 1\)](#)
- [3.7: The Metric \(Part 2\)](#)
- [3.8: The Metric in General Relativity](#)
- [3.9: Interpretation of Coordinate Independence](#)
- [3.E: Differential Geometry \(Exercises\)](#)

*Thumbnail: A triangle immersed in a saddle-shape plane (a hyperbolic paraboloid), as well as two diverging ultraparallel lines. (Public Domain; [LucasVB](#)).*

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