

## CHAPTER OVERVIEW

### 1: Geometric Theory of Spacetime

“I always get a slight brain-shiver, now [that] space and time appear conglomerated together in a gray, miserable chaos.” – Sommerfeld

- [1.1: Time and Causality](#)
- [1.2: Experimental Tests of the Nature of Time](#)
- [1.3: Non-simultaneity and Maximum Speed of Cause and Effect](#)
- [1.4: Ordered Geometry](#)
- [1.5: The Equivalence Principle \(Part 1\)](#)
- [1.6: The Equivalence Principle \(Part 2\)](#)
- [1.E: Geometric Theory of Spacetime \(Exercises\)](#)

---

This page titled [1: Geometric Theory of Spacetime](#) is shared under a [CC BY-SA 4.0](#) license and was authored, remixed, and/or curated by [Benjamin Crowell](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.