

## CHAPTER OVERVIEW

### 3: Same Laws for All

- 3.1: The Principle of Relativity
- 3.2: What Is Not the Same in Different Frames
- 3.3: What Is the Same in Different Frames
- 3.4: Relativity of Simultaneity
- 3.5: Lorentz Contraction of Length
- 3.6: Invariance of Transverse Dimension
- 3.7: Invariance of the Interval Proved
- 3.8: Invariance of the Interval for All Free-float Frames
- 3.9: End of Chapter
- 3.E: Same Laws for All (Exercises)
- 3.S: Same Laws for All (Summary)

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