

# CONTENTS

---

|   |            |
|---|------------|
| <i>Preface</i>  | <i>ix</i>  |
| 1. Time-Reversal Invariance                             | 1          |
| 2. Thermodynamics                                       | 22         |
| 3. Statistical Mechanics                                | 35         |
| 4. The Reversibility Objections and the Past-Hypothesis | 71         |
| 5. The Scope of Thermodynamics                          | 97         |
| 6. The Asymmetries of Knowledge and Intervention        | 113        |
| 7. Quantum Mechanics                                    | 131        |
| <i>Appendix: Gedankenexperiments with Heat Engines</i>  | <i>165</i> |
| <i>Index</i>  | <i>171</i> |