

Contents

<i>Contributors</i>	<i>page xi</i>
<i>Preface</i>	xv
Introduction MICHEL JANSSEN AND CHRISTOPH LEHNER	1
1 Einstein's Copernican Revolution JÜRGEN RENN AND ROBERT RYNASIEWICZ	38
2 Einstein's Special Theory of Relativity and the Problems in the Electrodynamics of Moving Bodies That Led Him to It JOHN D. NORTON	72
3 Einstein on Statistical Physics: Fluctuations and Atomism A. J. KOX	103
4 The Quantum Enigma OLIVIER DARRIGOL	117
5 The Experimental Challenge of Light Quanta ROGER H. STUEWER	143
6 "No Success Like Failure ...": Einstein's Quest for General Relativity, 1907–1920 MICHEL JANSSEN	167
7 Einstein's Role in the Creation of Relativistic Cosmology CHRISTOPHER SMEENK	228
8 Einstein, Gravitational Waves, and the Theoretician's Regress DANIEL J. KENNEFICK	270
9 Einstein's Unified Field Theory Program TILMAN SAUER	281

Cambridge University Press

978-0-521-82834-5 - The Cambridge Companion to Einstein

Edited by Michel Janssen and Christoph Lehner

Table of Contents

[More information](#)

x	Contents	
10	Einstein's Realism and His Critique of Quantum Mechanics CHRISTOPH LEHNER	306
11	Einstein and the Development of Twentieth-Century Philosophy of Science DON HOWARD	354
12	"A Believing Rationalist": Einstein and "the Truly Valuable" in Kant THOMAS RYCKMAN	377
13	Space, Time, and Geometry MICHAEL FRIEDMAN	398
14	Einstein's Politics ROBERT SCHULMANN	421
	<i>Appendix: Special Relativity</i> MICHEL JANSSEN	455
	<i>Bibliography</i>	507
	<i>Index</i>	551