## Collected Works

VOLUME I

Scientific Rationality, the Human Condition, and 20th Century Cosmologies

## Adolf Grünbaum

EDITED BY

Thomas Kupka



## CONTENTS

	Provenance of Chapters Preface and Acknowledgments	ix xi
	Introduction	1
PART	ONE SCIENTIFIC RATIONALITY	
1.	Is Falsifiability the Touchstone of Scientific Rationality?	
	Karl Popper Versus Inductivism (1976)	9
2.	The Degeneration of Popper's Theory of Demarcation (1989)	43
3.	The Falsifiability of Theories: Total or Partial? A Contemporary	
	Evaluation of the Duhem-Quine Thesis (1962)	62
	Appendix: A Letter from W. V. O. Quine of June 1, 1962	
PART	TWO DETERMINISM AND THE HUMAN	
COND	ITION	
COND	111011	
4.	Free Will and Laws of Human Behavior (1972)	79
5.	Historical Determinism, Social Activism, and Predictions	
	in the Social Sciences (1956)	110
6.	In Defense of Secular Humanism (1995)	115
PART	THREE PHILOSOPHY OF THE 20TH-CENTURY	Y
	ICAL COSMOLOGIES AND THE CRITIQUE OF	
	R THEOLOGICAL INTERPRETATIONS	
Incli	A THEOLOGICAL INTERPRETATIONS	
7.	The Poverty of Theistic Cosmology (2004)	151
8.	Theological Misinterpretations of Current	
	Physical Cosmology (1998)	201
9.	A New Critique of Theological Interpretations	
	of Physical Cosmology (2000)	221
10.	Pseudo-Creation of the Big Bang (1990)	260
	Bibliography	264
	Index	275