

Contents

1	PETER G. BERGMANN	
	Foundations Research in Physics	1
2	MARIO BUNGE	
	The Structure and Content of a Physical Theory	15
3	WALTER NOLL	
	Space-Time Structures in Classical Mechanics	28
4	CLIFFORD A. TRUESDELL	
	Foundations of Continuum Mechanics	35
5	HAROLD GRAD	
	Levels of Description in Statistical Mechanics and Thermodynamics	49
6	EDWIN T. JAYNES	
	Foundations of Probability Theory and Statistical Mechanics	77
7	E. J. POST	
	General Covariance in Electromagnetism	102
8	PETER HAVAS	
	Foundation Problems in General Relativity	124
9	RALPH SCHILLER	
	Relations of Quantum to Classical Physics	149
10	HENRY MARGENAU and JAMES L. PARK	
	Objectivity in Quantum Mechanics	161
11	PAUL BERNAYS	
	Scope and Limits of Axiomatics	188
	Biographical Notes on the Contributors	192