

Contents

	Page
I. Rational mechanics of materials	1
II. Polar and oriented media	23
III. Thermodynamics of visco-elasticity	35
IV. Electrified materials	53
V. The ergodic problem in classical statistical mechanics .	65
VI. Method and taste in natural philosophy	83
Appendix: Text of the Chairman's Introduction to the Colloquium on the Foundations of Mechanics and Thermodynamics held at the U. S. National Bureau of Standards, Washington, October 21—23, 1959	109