

Contents

Timothy E. Eastman, Michael Epperson, and David Ray Griffin
Physics and Speculative Philosophy — 1

Section I: Potentiality in Modern Science

Karim Bschrir
Potentiality in Natural Philosophy — 17

Stuart Kauffman
Res Potentia and Res Extensa Linked, Hence United, by Quantum Measurement — 47

Section II: Relational Realism

Michael Epperson
Bridging Necessity and Contingency in Quantum Mechanics — 55

Elias Zafiris
Boolean Localization of Quantum Events — 107

George Shields
A Logical Analysis of Relational Realism — 127

Section III: Process Physics

Christopher M. Klinger
On the Foundations of *Process Physics* — 143

Reginald T. Cahill
Process Physics: Self-Referential Information and Experiential Reality — 177

Timothy E. Eastman
On "Process Physics" — 221

Section IV: **Speculative Philosophy and Physics**

Timothy E. Eastman

Limitations, Approximations and Reality — 233

David Ray Griffin

**Whiteheadian Physics: Its Implications for Time, Consciousness, and
Freedom — 243**

Index — 267