Contents

The Emergence of Reference	1
Pragmatism and the Evolution of Semantic Systems	13
System Surfaces: There Is Never Just Only One Structure	31
Elements of a Semantic Code Bernd-Olaf Küppers	67
Talking About Structures	87
Toward a Formal Theory of Information Structure Jerry R. Hobbs and Rutu Mulkar-Mehta	101
Mechanics and Mental Change Jon Doyle	127
Semantic Technologies: A Computational Paradigm for Making Sense of Qualitative Meaning Structures	151
What Are Ontologies Good For? Ian Horrocks	175
Taxonomic Change as a Reflection of Progress in a Scientific Discipline	189

x Contents

Crystallizations as a Form of Scientific Semantic Change: The Case of Thermodynamics	209
Index	231