Contents

Citation Information vii
Notes on Contributors ix

Introduction: ‘Reflexivity and economics: George Soros’s theory of reflexivity and the methodology of economic science’
D. Wade Hands 1

1. Fallibility, reflexivity, and the human uncertainty principle
George Soros 7

2. Reflexivity, complexity, and the nature of social science
Eric D. Beinhocker 28

3. Reflexivity unpacked: performativity, uncertainty and analytical monocultures
Richard Bronk 41

4. George Soros: Hayekian?
Bruce Caldwell 48

5. Reflections on Soros: Mach, Quine, Arthur and far-from-equilibrium dynamics
Rod Cross, Harold Hutchinson, Harbir Lamba and Doug Strachan 55

6. Soros’s reflexivity concept in a complex world: Cauchy distributions, rational expectations, and rational addiction
John B. Davis 66

7. Hypotheses non fingo: Problems with the scientific method in economics
J. Doyne Farmer 75

8. Fallibility in formal macroeconomics and finance theory
Roman Frydman and Michael D. Goldberg 84

9. Reflexivity and equilibria
Francesco Guala 95

10. Reflexivity, expectations feedback and almost self-fulfilling equilibria: economic theory, empirical evidence and laboratory experiments
Cars Hommes 104

11. Soros and Popper: on fallibility, reflexivity, and the unity of method
Mark Amadeus Notturno 118