

Contents

<i>Preface</i>	ix
<i>Introduction</i>	1
The scope of the paradox	2
The significance of the paradox	8
Part I Paradoxes	
<i>1 Doxic paradoxes without self-reference</i>	13
1.1 Paradox in operator logic	13
1.2 Paradoxical situations	17
1.3 A probabilistic solution?	19
<i>2 Doxic paradoxes and reputation effects in iterated games</i>	24
2.1 Selten's paradox of reputation	24
2.2 Doxic paradox in games of reputation	26
2.3 A critique of mixed-strategy equilibria	31
2.4 A probabilistic version of the paradox	34
2.5 From doxic blindspots to doxic paradox	39
<i>3 A study of liar-like epistemic paradoxes</i>	43
3.1 The paradox of the disprover	43
3.2 A historical interlude	54
3.3 Modal logic and the liar	58
<i>4 A computational account of mutual belief</i>	62
4.1 Two problems	64
4.2 The problem of inconsistent data	65
4.3 Desiderata of an account	69
4.4 Toward an account of virtual belief	72
4.5 Paradox	80

Part II Solutions

5	<i>A critique of context-insensitive solutions to the liar paradox</i>	85
6	<i>Three context-sensitive solutions to the liar paradox</i>	98
6.1	A homomorphism from Burgean into Austinian semantics	102
6.2	Extending Gaifman's formal pragmatics	110
6.3	Illustrations	119
7	<i>Applying the context-sensitive solutions to doxic paradox</i>	123
7.1	The solutions illustrated	124
7.2	Applying Gaifman's construction to doxic paradox	134
7.3	Applying situation theory to doxic paradox	136
	<i>Conclusion</i>	150
	<i>Appendix A: Applying probability to mathematical sentences</i>	153
	<i>Appendix B: Proofs of Theorems 2 and 3 from Chapter 6</i>	155
	<i>Appendix C: On schematic generalization</i>	160
	<i>Bibliography</i>	166
	<i>Index</i>	171