

LOGICAL PLURALISM AND LOGICAL CONSEQUENCE

Logical pluralism is the view that there is more than one correct logic. This is not necessarily a controversial claim but in its most exciting formulations, pluralism extends to logics that have typically been considered rival accounts of logical consequence – to logics, that is, which adopt seemingly contradictory views about basic logical laws or argument forms. The logical pluralist challenges the philosophical orthodoxy that an argument is either deductively valid or invalid by claiming that there is more than one way for an argument to be valid. In this book, Erik Stei defends logical monism, the view that there is exactly one correct logic. He provides a detailed analysis of different possible formulations of logical pluralism, and offers an original account of the plurality of correct logics that incorporates the benefits of both pluralist and monist approaches to logical consequence. His book will be valuable for a range of readers in the philosophy of logic.

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Contents

List of Figures Preface		<i>page</i> vi vii
1 /	έμιτ	VII
Ι	Logical Pluralism Introduced	I
2	What Does It Mean for a Logic to Be Correct?	12
3	Three Dimensions of Plurality	37
4	The Cardinality of Logical Consequence	52
5	Domain Dependence	81
6	Pluralities of Meanings	IIO
7	Pluralism and Disagreement	151
8	Normativity and Collapse	180
9	Closing Remarks	204
References		208
Index		218



Figures

2.I	A relation between arguments	page 29
3.I	Three dimensions of plurality	37
4. I	P-correct contra-logics	61
4.2	P-correct sub-logics	61
4.3	X-correct contra-logics	66
4.4	X-correct sub-logics	66
5.I	Cook's domain model	89
6.I	Truth tables for K ₃ and LP	117
7.I	The dispute according to a pluralistic theory of negation	158



Preface

Logical theories are typically austere. Logical theorizing, in contrast, can often be ingenuous, inquisitive, and quite unconstrained. In his *Logical Syntax of Language*, Rudolf Carnap likened the flexibility of logical theory building to "the boundless ocean of unlimited possibilities". Carnap also claimed that we needed to overcome the "impediment" of striving after correct logics in order to be able to appreciate the immense freedom that modern mathematical methods provide. But maybe striving after correctness does not impede that freedom. Properly understood, the thought that exactly one logic provides the correct theory of logical consequence is quite compatible with the unlimited possibilities of formal logical theorizing. This, at least, is one of the central theses of this book.

I have been thinking about logical pluralism for quite a while now and during that time I was lucky enough to be able to talk to many people who were generous with their feedback and advice. I would like to thank Elke Brendel, Colin Caret, Daniel Cohnitz, Michael De, Filippo Ferrari, and Bjørn Jespersen for their helpful comments on drafts of some of the material of this book. I am particularly grateful to Graham Priest and Gillian Russell for their incredibly helpful feedback and for being such wonderful hosts during my research leave at the CUNY Graduate Center and at UNC Chapel Hill. Thanks also to the German Research Foundation (DFG) for funding the research fellowship enabling that leave.

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viii Preface

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