

Contents

Preface	viii
JUAN PABLO AGUILERA AND DAVID FERNÁNDEZ-DUQUE Verification logic: An arithmetical interpretation for negative introspection	1
ARNON AVRON AND ANNA ZAMANSKY A Paraconsistent View on B and S5	21
ZEINAB BAKHTIARI, HANS VAN DITMARSCH AND SABINE FRITTELLA Algebraic semantics of refinement modal logic	38
PHILIPPE BALBIANI, HANS VAN DITMARSCH AND ANDREAS HERZIG Before announcement	58
PHILIPPE BALBIANI AND DAVID FERNÁNDEZ DUQUE Axiomatizing the lexicographic products of modal logics with linear temporal logic	78
PHILIPPE BALBIANI AND DIDIER GALMICHE About intuitionistic public announcement logic	97
PHILIPPE BALBIANI AND TINKO TINCHEV Unification in modal logic Alt_1	117
ALEXANDRU BALTAG To Know is to Know the Value of a Variable	135
ALEXANDRU BALTAG, VIRGINIE FIUTEK AND SONJA SMETS Beliefs and Evidence in Justification Models	156
GURAM BEZHANISHVILI AND WESLEY HOLLIDAY Locales, Nuclei, and Dragalin Frames	177
AGATA CIABATTONI AND FRANCESCO A. GENCO Embedding formalisms: hypersequents and two-level systems of rules	197
MICHAEL DE AND HITOSHI OMORI Classical and Empirical Negation in Subintuitionistic Logic	217
DENISA DIACONESCU, GEORGE METCALFE AND LAURA SCHNÜRIGER Axiomatizing a Real-Valued Modal Logic	236

HANS VAN DITMARSCH, WIEBE VAN DER HOEK AND LOUWE B. KUIJER Fully Arbitrary Public Announcements	252
BIRGIT ELBL A cut-free sequent calculus for the logic of subset spaces	268
PETER FRITZ Post Completeness in Congruential Modal Logics	288
KLAUS FROVIN JOERGENSEN, PATRICK BLACKBURN, THOMAS BOLAN- DER AND TORBEN BRAÜNER Synthetic completeness proofs for Seligman-style tableau systems	302
MARIANNA GIRLANDO, SARA NEGRI, NICOLA OLIVETTI AND VINCENT RISCH The Logic of Conditional Beliefs: Neighbourhood Semantics and Se- quent Calculus	322
ROBERT GOLDBLATT AND IAN HODKINSON The Tangled Derivative Logic of the Real Line and Zero-Dimensional Spaces	342
TAO GU AND YANJING WANG “Knowing value” logic as a normal modal logic	362
CHRISTOPHER HAMPSON Decidable first-order modal logics with counting quantifiers	382
LAURI HELLA AND MIIKKA VILANDER The succinctness of first-order logic over modal logic via a formula size game	401
GERHARD JÄGER AND MICHEL MARTI A canonical model construction for intuitionistic distributed knowledge	420
MARCUS KRACHT Logics of Infinite Depth	435
ORI LAHAV, JOAO MARCOS AND YONI ZOHAR It ain’t necessarily so: Basic sequent systems for negative modalities .	449
SONIA MARIN, DALE MILLER AND MARCO VOLPE A focused framework for emulating modal proof systems	469

YUTAKA MIYAZAKI	
The structure of the lattice of normal extensions of modal logics with cyclic axioms	489
IGOR SEDLÁR	
Propositional dynamic logic with Belnapian truth values	503
ILYA SHAPIROVSKY AND VALENTIN SHEHTMAN	
Local tabularity without transitivity	520
SARA L. UCKELMAN	
The Logic of Where and While in the 13th and 14th Centuries	535
JAN VAN EIJCK AND BRYAN RENNE	
Update, Probability, Knowledge and Belief	551