

Abstract Consequence and Logics

Essays in Honor of Edelcio G. de Souza

edited by

Alexandre Costa-Leite

CONTENTS

INTRODUCTION

Alexandre Costa-Leite
ON EDELICIO G. DE SOUZA

PART 1

ABSTRACTION, UNITY AND LOGIC

- 3 Jean-Yves Beziau
LOGICAL STRUCTURES FROM A MODEL-THEORETICAL VIEWPOINT
- 17 Gerhard Schurz
UNIVERSAL TRANSLATABILITY: OPTIMALITY-BASED
JUSTIFICATION OF (NOT NECESSARILY) CLASSICAL LOGIC
- 37 Roderick Batchelor
ABSTRACT LOGIC WITH VOCABLES
- 67 Juliano Maranhão
AN ABSTRACT DEFINITION OF NORMATIVE SYSTEM
- 79 Newton C. A. da Costa and Decio Krause
SUPPES PREDICATE FOR CLASSES OF STRUCTURES AND
THE NOTION OF TRANSPORTABILITY
- 99 Patrícia Del Nero Velasco
ON A RECONSTRUCTION OF THE VALUATION CONCEPT

PART 2

CATEGORIES, LOGICS AND ARITHMETIC

- 115 Vladimir L. Vasyukov
INTERNAL LOGIC OF THE $H - B$ TOPOS
- 135 Marcelo E. Coniglio
ON CATEGORIAL COMBINATION OF LOGICS

- 173 Walter Carnielli and David Fuenmayor
GÖDEL'S INCOMPLETENESS THEOREMS FROM A PARACONSISTENT
PERSPECTIVE
- 199 Edgar L. B. Almeida and Rodrigo A. Freire
ON EXISTENCE IN ARITHMETIC

PART 3

NON-CLASSICAL INFERENCES

- 221 Arnon Avron
A NOTE ON SEMI-IMPLICATION WITH NEGATION
- 227 Diana Costa and Manuel A. Martins
A ROADMAP OF PARACONSISTENT HYBRID LOGICS
- 243 Hércules de Araujo Feitosa, Angela Pereira Rodrigues
Moreira and Marcelo Reicher Soares
A RELATIONAL MODEL FOR THE LOGIC OF DEDUCTION
- 251 Andrew Schumann
FROM PRAGMATIC TRUTHS TO EMOTIONAL TRUTHS
- 263 Hilan Bensusan and Gregory Carneiro
PARACONSISTENTIZATION THROUGH ANTIMONOTONICITY:
TOWARDS A LOGIC OF SUPPLEMENT

PART 4

PHILOSOPHY AND HISTORY OF LOGIC

- 277 Diogo H. B. Dias
HANS HAHN AND THE FOUNDATIONS OF MATHEMATICS
- 289 Cassiano Terra Rodrigues
A FIRST SURVEY OF CHARLES S. PEIRCE'S CONTRIBUTIONS TO
LOGIC: FROM RELATIVES TO QUANTIFICATION
- 301 Jonas R. B. Arenhart and Sanderson Molick
ON THE VERY IDEA OF CHOOSING A LOGIC:
THE ROLE OF THE BACKGROUND LOGIC

- 321 Lorenzo Frade and Abilio Rodrigues
SOME REMARKS ON LOGICAL REALISM AND LOGICAL PLURALISM
- 341 Duško Prelević
MODAL RATIONALISM, LOGICAL PLURALISM, AND
THE METAPHYSICAL FOUNDATION OF LOGIC
- 359 Fabien Schang
QUASI-CONCEPTS OF LOGIC