

CONTENTS

Preface	5
Contents	7
Introduction	9
Abbreviations	12
CHAPTER I. Bolzano's life and work	
§ 1. Bolzano's early career	13
§ 2. The <i>Wissenschaftslehre</i>	15
§ 3. The <i>Größenlehre</i>	17
§ 4. Other later works	25
CHAPTER II. A logical frame	
§ 1. The formal language L	33
§ 2. Syntactic and semantic symbols	34
§ 3. The semantic notion of truth	35
§ 4. Some definitions	37
§ 5. Logical consequence	39
CHAPTER III. Bolzano's fundamental notions	
§ 1. Glossary	41
§ 2. A working hypothesis	43
§ 3. Logic as a theory of science	43
§ 4. Propositions and sentences	45
§ 5. The reduction of sentences	52
§ 6. The notion of truth	57
§ 7. The existence of propositions	61
§ 8. Judgements and knowledge	63
§ 9. Ideas-in-themselves	70
§ 10. Intuitions and concepts	83
§ 11. Relations and functions	86
§ 12. Sets and related entities	89
CHAPTER IV. Bolzano's logic of variation	
§ 1. Degree of validity	92
§ 2. Universal validity	95
§ 3. Analytic and synthetic propositions	97
§ 4. Consistency	102

§ 5. Derivability	108
§ 6. Special cases of derivability	121
§ 7. Equipollence	126
§ 8. Independence	130
§ 9. Special cases of inconsistency	132
§ 10. Some other relations among propositions	140
CHAPTER V. Other logical theories	
§ 1. Bolzano's logic of classes	146
§ 2. Bolzano's logic of probability	148
CHAPTER VI. Bolzano's logic of entailment	
§ 1. Axioms of entailment	151
§ 2. Theorems on entailment	154
§ 3. Entailment and derivability	155
§ 4. Trees and subsidiary truths	156
§ 5. Indirect proofs	160
§ 6. The deductive method	161
CHAPTER VII. Bolzano's philosophy of mathematics	
§ 1. Natural numbers	165
§ 2. Real numbers	169
§ 3. Infinite sets	175
Bibliography	179
Index of proper names	213