

Contents

Preface	3
Chapter 1. Introduction	7
Chapter 2. Fundamentals	15
Constructing Models	15
Stationary Sets	16
Forcing	18
Constructible Universe	21
Combinatorial Principles and Trees	25
Primitive Recursive Functions	28
(Small) Large Cardinals	30
Chapter 3. The Forcing	33
Chapter 4. The Coarse Morass	39
Chapter 5. An Inaccessible implies the Failure	47
Chapter 6. A weaker Theory for the Counterexample	59
Chapter 7. The Failure implies an Inaccessible	69
Chapter 8. Further Remarks	73
Appendix. Weak Square and special Aronszajn Trees	79
Introduction	79
\aleph_1 -Aronszajn Trees	80
The combinatorial Principle \square_κ^*	81
A special κ^+ -Aronszajn Tree implies \square_κ^*	83
Construction of the partial Order	86
\square_κ^* implies a special κ^+ -Aronszajn Tree	87
Bibliography	91
Glossary	95
Index	97