

TABLE OF CONTENTS

Introduction	1
CHAPTER I	
Proper Maps	5
§1 Definition and Examples	5
§2 First Properties	10
§3 Beck-Chevalley Conditions	13
§4 Pretopos Sites	17
§5 Preservation under Pullback and Filtered Inverse Limits	21
§6 Propriety and Closed Maps	25
§7 Descent along Proper Maps	30
CHAPTER II	
Separated Maps	35
§1 Definition and Examples	35
§2 Formal Properties	37
§3 Hyperconnected Hausdorff Toposes	40
§4 Locally Connected and Locally Compact Maps of Locales	42
§5 A Topos Version of the Reeb Stability Theorem	47
§6 The Classical Reeb Stability Theorem	50
CHAPTER III	
Tidy Maps	53
§1 Definition and Examples	53
§2 First Properties	56
§3 The Beck-Chevalley Condition	58
§4 Stability under Change of Base	59
§5 Entire Maps	65
§6 Tidiness and Closed Maps	72
CHAPTER IV	
Strongly Separated Maps	77
§1 Definition of Strong Separation	77
§2 Elementary Properties	78
§3 Strongly Separated Coherent Toposes	79
§4 Galois Theory for Profinite Groupoids	81
CHAPTER V	
Relatively Tidy Maps and Lax Descent	86

§1 Path Toposes	86
§2 Lax Pullbacks of Toposes	88
§3 Relatively Tidy Maps	90
§4 Relatively Tidy Morphisms of Sites	95
§5 The Main Theorem	103
§6 Applications to Lax Descent	104
References	107