TABLE OF CONTENTS

INTRODUCTION				
No	Notation			
<u>C F</u>	APTE	R I - EXISTENCE AND HOMOTOPY CLASSIFICATION		
§	1.	Non-degenerate singularities and their structure.	17	
§	2.	Singularity invariants.	25	
§	3.	Existence of $(k+1)$ -morphisms.	35	
§	4.	Homotopy and concordance classification of		
		(k+1)-morphisms.	41	
§	5.	Connections with classical obstructions, and with		
		some classical results concerning the homotopy of		
		Stiefel manifolds.	48	
CI	IAPTE	R II - BORDISM CLASSIFICATION		
ş	6.	Fine bordism groups of vector bundle morphisms, and		
		their stability properties.	55	
Ş	7.	The exact singularity sequence.	63	
ş	8.	Rational bordism of framefields and of k-mersions.	75	
§	9.	Calculation of low-dimensional normal bordism groups.	91	
§	10.	Bordism of immersions.	112	
§	11.	An example of odd torsion: calculation of π_3^S .	124	
§	12.	Bordism of framefields.	127	

CHAPTER III - FRAMEFIELDS

§	13.	The complete obstructions $\omega_{\mathbf{k}}(\mathbf{M})$ and $\omega_{\mathbf{k}}'(\mathbf{M})$.	138	
§	14.	Existence of two or three independent vector fields.	153	
§	15.	Four linearly independent vector fields.	167	
§	16.	Indices of framefields with finite singularities.	191	
§	17.	Torsion questions.	218	
§	18.	Counting homotopy classes of framefields.	225	
§	19.	The invariants χ , χ^{t} and χ^{w} , and a spectral		
		sequence involving bordism groups of framefields.	237	
§	20.	Stable versus unstable framefields.	279	
References.				
I	Index			