## CONTENTS

Introduction

Bibliography

0.	Introduction	1	
1.	Flat manifolds	2	
2.	Flat manifolds with parallel torsion	4	
3.	Flat bundles	9	
4.	Characteristic classes of flat bundles	14	
5.	Stably flat bundles on complexes covered by a homotopy sphere	24	
6.	Flat G-structures on manifolds and the Euler characteristic	37	
7.	The Chern character of elliptic symbols associated to a flat G-structure	42	
8.	The index of elliptic symbols associated to a flat G-structure	45	
9.	Problems	47	

48