## Construction of Gauge Theories

## Qing-Jie Yuan

## Contents

1	Mathematical preliminary 1.1 Fiber bundles	1
1	Mathematical preliminary	
1.1	1 Fiber bundles	
	efinition 1.1 (Fiber bundle). The fiber bundle is the fundamental of the tage theory	he
1.2	2 Connections in fiber bundles	
2	Gauge field	