

## C\_O\_N\_T\_E\_N\_T\_S

		<u>Pages</u>
	<b>Introduction</b>	<b>1-1v</b>
<b>Chapter I</b>	<b>Preliminaries</b>	<b>1</b>
	1. Fields with valuation	2
	2. Quadratic forms	16
	3. Ramification groups	26
	4. G-domains	31
<b>Chapter II</b>	<b>Quadratic forms over Hensel fields</b>	
	1. Induced and Sub-ordinate Valuations	34
	2. Witt ring of quadratic forms over a field	42
	3. Milnor fields	54
<b>Chapter III</b>	<b>Ramification Theory over Hensel fields</b>	
	1. Generalities and higher ramification	66
	2. Herbrand's function and its properties	76
	3. Analogue of Hasse Arf's theorem	80
	4. Wildly ramified automorphism of a Hensel field.	90
<b>Chapter IV</b>	<b>G-domains and Pseudo valuation</b>	
	1. G-domain and Henselizations	94
	2. G-domain and pseudo valuations	100
	3. The relative completion of a field with valuation	115
	Bibliography.	119

\*\*\*\*\*