

Vorwort .....	2
Chapter I. Basic facts about symmetric bilinear forms, and definition of the Witttring.	
§ 1 Bilinear Spaces .....	6
§ 2 Witt- and Grothendieck-rings .....	15
Appendix: Quadratic Forms .....	22
Chapter II. The structure of Witttrings	
§ 1 Generators and Relations .....	24
§ 2 The prime ideals of a Witttring .....	28
§ 3 Nilpotent and torsion elements .....	35
§ 4 Application: The theorem of Artin-Pfister .....	37
§ 5 Complements to the structur theory .....	40
§ 6 Characterization of abstract Witttrings .....	47
§ 7 Fields with isomorphic Witttrings .....	52
Chapter III. Reduced Witttrings	
§ 1 Von Neumann regular rings .....	61
§ 2 Topological description of reduced Witttrings .....	69
§ 3 A Nullstellensatz for Witt ideals and a generali- zation of the theorem of Artin-Pfister	80
§ 4 When are Witttrings group rings? .....	83
§ 5 Fields with strong approximation for orderings .....	86
References .....	93