



Classgroups and Hermitian Modules

By Albrecht Fröhlich

Birkhauser. Paperback. Book Condition: New. Paperback. 226 pages. Dimensions: 9.0in. x 6.0in. x 0.6in. These notes are an expanded and updated version of a course of lectures which I gave at Kings College London during the summer term 1979. The main topic is the Hermitian classgroup of orders, and in particular of group rings. Most of this work is published here for the first time. The primary motivation came from the connection with the Galois module structure of rings of algebraic integers. The principal aim was to lay the theoretical basis for attacking what may be called the converse problem of Galois module structure theory: to express the symplectic local and global root numbers and conductors as algebraic invariants. A previous edition of these notes was circulated privately among a few collaborators. Based on this, and following a partial solution of the problem by the author, Ph. Cassou-Nogues and M. Taylor succeeded in obtaining a complete solution. In a different direction J. Ritter published a paper, answering certain character theoretic questions raised in the earlier version. I myself disapprove of secret circulation, but the pressure of other work led to a delay in publication; I hope this volume will make amends....

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