



**DMV Seminar
Band 18**

Springer Basel AG

Klaus W. Roggenkamp

Martin J. Taylor

**Group Rings and
Class Groups**

Springer Basel AG

Autoren:

K. W. Roggenkamp
Universität Stuttgart
Mathematisches Institut B
Pfaffenwaldring 57
D-7000 Stuttgart 80
Germany

M. J. Taylor
Dept. of Mathematics
U.M.I.S.T.
P.O. Box 88
Manchester M60 1QD
England

Deutsche Bibliothek Cataloging-in-Publication Data

Group rings and class groups / Klaus W. Roggenkamp ; Martin J. Taylor. – Basel ; Boston ; Berlin : Birkhäuser, 1992

(DMV-Seminar ; Bd. 18)

ISBN 978-3-7643-2734-7 ISBN 978-3-0348-8611-6 (eBook)

DOI 10.1007/978-3-0348-8611-6

NE: Roggenkamp, Klaus W.; Taylor, Martin J.; Deutsche
Mathematiker-Vereinigung: DMV-Seminar

This work is subject to copyright. All rights are reserved, whether the whole or part of the material is concerned, specifically those of translation, reprinting, re-use of illustrations, broadcasting, reproduction by photocopying machine or similar means, and storage in data banks. Under § 54 of the German Copyright Law where copies are made for other than private use a fee is payable to »Verwertungsgesellschaft Wort«, Munich.

© 1992 Springer Basel AG

Originally published by Birkhäuser Verlag Basel in 1992

ISBN 978-3-7643-2734-7

Preface

These notes form an extended version of talks given at the DMV-seminar in Günzburg, September 1990. The seminar consisted of two parts :

1) "The isomorphism problem for integral group rings", with the main talks given by K. W. Roggenkamp and shorter contributions by W.Kimmerle, J.Ritter and A. Zimmermann (Part 1).

2) "Galois-Module structure", with the main talks given by M.Taylor and shorter contributions by N.Byott (Part 2).

We greatly appreciate the opportunity, given us by the DMV to hold this seminar.