

Taniguchi Conference on Mathematics Nara '98

**ADVANCED STUDIES
IN PURE MATHEMATICS 31**

Chief Editor: Eiichi Bannai (Kyushu University)

**Taniguchi Conference
on Mathematics Nara '98**

Edited by

Masaki Maruyama (Kyoto University)

Toshikazu Sunada (Tohoku University)

Mathematical Society of Japan

This book was typeset by $\text{\AA}MS\text{-}T_{\text{E}}X$ and $\text{\AA}MS\text{-}L_{\text{A}}T_{\text{E}}X$, the $T_{\text{E}}X$ macro systems of the American Mathematical Society, together with the style files `aspm.sty` and `aspmfm.sty` for $\text{\AA}MS\text{-}T_{\text{E}}X$ written by Dr. Chiaki Tsukamoto and `aspmproc.sty` for $\text{\AA}MS\text{-}L_{\text{A}}T_{\text{E}}X$ written by Dr. Akihiro Munemasa.

$T_{\text{E}}X$ is a trademark of the American Mathematical Society.

©2001 by the Mathematical Society of Japan.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the copyright owner.

Edited by the Mathematical Society of Japan.

Published by the Mathematical Society of Japan.

Distributed outside Japan by the American Mathematical Society.

ISBN 4-931469-13-2

2000 Mathematics Subject Classification.

Primary 00B20; Secondary 11G99, 11R99, 11F99, 14A22, 20C99, 35J99, 46L99, 53C99, 60G99, 81Q99.

Advanced Studies in Pure Mathematics 31

Chief Editor

Eiichi Bannai (Kyushu University)

Editorial Board of the Series

HITOSHI ARAI
(Univ. of Tokyo)

EIICHI BANNAI
(Kyushu Univ.)

YOSHIKAZU GIGA
(Hokkaido Univ.)

KI-ICHIRO HASHIMOTO
(Waseda Univ.)

KAZUYA KATO
(Univ. of Tokyo)

TOSHITAKE KOHNO
(Univ. of Tokyo)

YOICHI MIYAOKA
(Univ. of Tokyo)

SEIKI NISHIKAWA
(Tohoku Univ.)

JUNJIRO NOGUCHI
(Univ. of Tokyo)

TOSHIYUKI TANISAKI
(Hiroshima Univ.)

PRINTED IN JAPAN

by Tokyo Shoseki Printing Co., Ltd.