

Zeta Functions in Geometry

**ADVANCED STUDIES
IN PURE MATHEMATICS 21**

Chief Editor: T. Oda (Tohoku University)

Zeta Functions in Geometry

Edited by

N. Kurokawa (University of Tokyo),

T. Sunada (University of Tokyo)

Published for the Mathematical Society of Japan by

KINOKUNIYA COMPANY LTD.

TOKYO, JAPAN

This book was typeset by AMS-TEX, the TEX macro system of the American Mathematical Society, together with style files aspm.sty and aspmfm.sty written by Dr. Chiaki Tsukamoto.

TEX is a trademark of the American Mathematical Society.

©1992 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 for the Mathematical Society of Japan and distributed in Japan by Kinokuniya Company Ltd., Tokyo, Japan.

Distributed outside Japan by the American Mathematical Society.

ISBN 4-314-10078-8

Advanced Studies in Pure Mathematics 21

Chief Editor

T. Oda Tohoku University

Editorial Board of the Series

Y. IHARA
(Kyoto Univ.)

Y. KAWAMATA
(Univ. of Tokyo)

S. MORITA
(Tokyo Inst. of Tech.)

T. ODA
(Tohoku Univ.)

Y. TAKAHASHI
(Univ. of Tokyo)

M. IKAWA
(Osaka Univ.)

N. KAWANAKA
(Osaka Univ.)

S. MUKAI
(Nagoya Univ.)

T. OSHIMA
(Univ. of Tokyo)

M. KASHIWARA
(Kyoto Univ.)

T. MIWA
(Kyoto Univ.)

T. OCHIAI
(Univ. of Tokyo)

T. SUNADA
(Univ. of Tokyo)

PRINTED IN JAPAN
by Tokyo Shoseki Printing Co., Ltd.