Probability and Number Theory — Kanazawa 2005

## ADVANCED STUDIES IN PURE MATHEMATICS 49

Chief Editor: Toshitake Kohno (The University of Tokyo)

## Probability and Number Theory — Kanazawa 2005

Edited by

Shigeki Akiyama (Niigata University) Kohji Matsumoto (Nagoya University) Leo Murata (Meijigakuin University) Hiroshi Sugita (Osaka University)

Mathematical Society of Japan

This book was typeset by AMS-TEX and AMS-LATEX, the TEX macro systems of the American Mathematical Society, together with the style files  $\operatorname{aspm.sty}$  and  $\operatorname{aspmfm.sty}$  for AMS-TEX written by Dr. Chiaki Tsukamoto and  $\operatorname{aspmproc.sty}$  for AMS-LATEX written by Dr. Akihiro Munemasa and  $\operatorname{aspm.cls}$  for AMS-LATEX provided by Tokyo Shoseki Printing Co., Ltd.

TEX is a trademark of the American Mathematical Society.

© 2007 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 by the Mathematical Society of Japan, the American Mathematical Society and the World Scientific Publishing Co. Ltd.

Distributed exclusively in North America by the American Mathematical Society.

ISBN 978-4-931469-43-3

2000 Mathematics Subject Classification. Primary 11K. Secondary 60F, 11M.

## Advanced Studies in Pure Mathematics 49 Chief Editor

Toshitake Kohno (Univ. of Tokyo)

## Editorial Board of the Series

Yoshikazu Giga	Ki-ichiro Hashimoto	SHIHOKO ISHII
(Univ. of Tokyo)	(Waseda Univ.)	(Tokyo Inst. of Tech.)
TOSHITAKE KOHNO	SADAYOSHI KOJIMA	Мотоко Котані
(Univ. of Tokyo)	(Tokyo Inst. of Tech.)	(Tohoku Univ.)
YOICHI MIYAOKA	KIMIO MIYAJIMA	Masatoshi Noumi
(Univ. of Tokyo)	(Kagoshima Univ.)	(Kobe Univ.)
SHUJI SAITO (Univ. of Tokyo)	Masayoshi Takeda (Tohoku Univ.)	

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