

Proceedings of the
**CENTRE FOR MATHEMATICS
AND ITS APPLICATIONS**
AUSTRALIAN NATIONAL UNIVERSITY

Volume 29, 1992

**MINICONFERENCE ON
PROBABILITY AND ANALYSIS**

(24 - 26 July 1991: University of New South Wales)

Edited by
Ian Doust and Brian Jeffries

**PROCEEDINGS
OF
THE CENTRE FOR MATHEMATICS AND ITS APPLICATIONS
AUSTRALIAN NATIONAL UNIVERSITY**

VOLUME 29, 1992

**MINICONFERENCE ON
PROBABILITY AND ANALYSIS
(24-26 July 1991 : University of New South Wales)**

**Edited by
Ian Doust and Brian Jefferies**

First published in Australia 1991

© Centre for Mathematics and its Applications,
Australian National University

This book is copyright. Apart from any fair dealing for the purpose of private study, research, criticism, or review, as permitted under the Copyright Act, no part may be reproduced by any process without written permission. Inquiries should be made to the publisher.

National Library of Australia
Cataloguing-in-Publication entry

Miniconference on Probability and Analysis (1991: University of New South Wales).

Miniconference on Probability and Analysis, (University of New South Wales, July 24-26, 1991).

ISBN 0 7315 0445 3.

1. Mathematical analysis - Congresses. 2. Probabilities - Congresses. I. Doust, Ian, 1962- . II. Jefferies, Brian, 1956- . III. Australian National University. Centre for Mathematics and its Applications. IV. Title (Series: Proceedings of the Centre for Mathematics and its Applications, Australian National University; v.29).

PREFACE

This volume contains the complete proceedings of the miniconference 'Probability and Analysis' held at the University of New South Wales, in Sydney, in July 1991. The main topics of the conference were the use of probability in analysis, and geometric and operator theoretic aspects of Banach space theory. The inspiration for the conference was the visits to Australia of Aleksander Pełczyński and Don Burkholder. After some initial indecision as to whether organising a conference was *really* a good idea, Werner Ricker and Ian Doust put the wheels in motion. Professors Pełczyński and Burkholder were joined by local invited speakers Gavin Brown, Garth Gaudry and Alan McIntosh. Another twenty speakers gave contributed papers. In total over fifty mathematicians from a wide variety of institutions took part in what was to be a very enjoyable meeting, spanning a wide range of analysis.

We would like to record our thanks to all the bodies who have directly and indirectly supported this meeting:

- The Centre for Mathematics and its Applications, A.N.U.
- The Australian Mathematical Society.
- The Australian Research Council.
- The University of New South Wales.

We should especially like to thank Mrs. Marilyn Gray from the C.M.A. for all of her usual efficient help behind the scenes; the secretarial staff at the University of N.S.W. for cheerfully putting up with another conference; and all our colleagues who attended and who made the job of the organisers very easy.

Ian Doust and Brian Jefferies (Editors)