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R. M. Aron and S. Dineen



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Editors

Richard M. Aron
School of Mathematics
39 Trinity College
Dublin 2, Ireland

Seán Dineen
Department of Mathematics
University College Dublin
Belfield
Dublin 4, Ireland

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PREFACE

A conference on Vector Space Measures and Applications was held at Trinity College, University of Dublin, during the week June 26 to July 2, 1977. Over one hundred and twenty mathematicians from eighteen countries participated. More than seventy five lectures were given, the texts of many of these appearing in the Proceedings.

The original intention of the Conference organisers was to arrange a fairly narrow range of featured topics. However, as the Conference planning progressed, it became clear that there was a great deal of interest in vector space measure theory by mathematicians, working in a much broader spectrum of fields who saw connections between current research in vector space measures and their own fields of research. Consequently, there were sessions on probability theory, distribution theory, quantum field theory, vector measures, functional analysis and real and complex analysis in infinite dimensions.

With the exception of twenty papers on real and complex analysis in infinite dimensions, which will be published separately, these Proceedings (in two volumes) contain the written and expanded texts of most of the papers given at the Conference.

The organising Committee consisted of Richard M. Aron (Trinity College Dublin), Paul Berner (Trinity College Dublin), Philip Boland (University College Dublin), Seán Dineen (University College Dublin), John Lewis (The Dublin Institute for Advanced Studies) and Paul McGill (The New University of Ulster, Coleraine). The Conference was made possible through the interest, cooperation and financial support of the European Research Office as well as Trinity College Dublin, University College Dublin, The Royal Irish Academy, The Dublin Institute for Advanced Studies, The Bank of Ireland and Bord Failte.

Richard M. Aron,
School of Mathematics,
Trinity College Dublin,
Dublin 2, Ireland.

Seán Dineen,
Department of Mathematics,
University College Dublin,
Belfield, Dublin 4, Ireland.

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* Volume II appeared as volume 645 in Lecture Notes in Mathematics

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AUBREY WULFSOHN Infinitely divisible stochastic differential
equations in space-time.

HEINRICH VON WEIZSÄCKER Strong measurability, liftings and the
Choquet-Edgar theorem.