

Proceedings of the

CENTRE FOR
MATHEMATICAL ANALYSIS

AUSTRALIAN NATIONAL UNIVERSITY

Volume 6, 1984

**Mathematical Programming and
Numerical Analysis Workshop**

S.A. Gustafson & R.S. Womersley

PROCEEDINGS
OF THE
CENTRE FOR MATHEMATICAL ANALYSIS
AUSTRALIAN NATIONAL UNIVERSITY

VOLUME 6, 1984

MATHEMATICAL PROGRAMMING
AND
NUMERICAL ANALYSIS WORKSHOP

(CANBERRA, DECEMBER 6-8, 1983)

Edited

by

S.-Å. GUSTAFSON AND R.S. WOMERSLEY

First published in Australia 1984

© Centre for Mathematical Analysis, 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

Mathematical Programming and Numerical Analysis Workshop
(1983: Canberra, A.C.T.).
Mathematical Programming and Numerical Analysis Workshop
(Canberra, December 6-8 1983).

Includes index.
ISBN 0 86784 507 4.

1. Numerical analysis - Congresses. I. Gustafson, Sven-Åke,
1938- . II. Womersley, R.S. (Robert S.), 1954- . III.
Australian National University. Centre for Mathematical
Analysis. IV. Title. (Series: Proceedings of the Centre
for Mathematical Analysis, Australian National University;
v.6, 1984).

PREFACE

Mathematicians from Australia and New Zealand attended a workshop on mathematical programming and numerical analysis at the Australian National University from December 6th to 8th 1983. This volume contains a complete list of the papers presented at the workshop and texts of the numerical analysis papers.

The workshop was sponsored by the Mathematical Sciences Research Centre at the Australian National University and the Centre for Mathematical Analysis. We would like to take this opportunity to thank all the speakers, in particular the invited speakers J. Blake, G. Chandler, B. Craven, B. Murtagh, D. Ryan and I. Sloan. The excellent typing and good humour of Marilyn Gray and Dorothy Nash are also gratefully acknowledged.

S.-Å. Gustafson and R.S. Womersley