Abstracts of Papers
presented at the eleventh South African

SYMPOSIUM
ON
NUMERICAL MATHEMATICS

Umhlanga Rocks 8, 9 & 10 July 1985

sanum & the
dept.of computer science
university of natal
durban

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edited by
T Ypma

Typeset and printed
by the University of Natal
Durban

Report number CS.07.03.01.85

Published by the Department of Computer Science
University of Natal, Durban 1985.

ISSN 0379-8844

ISBN 0 86980 446 4

PREFACE

The Eleventh South African Symposium on Numerical Mathematics takes place in Umhlanga Rocks, Natal, from 8 to 10 July 1985. This event is organized by the South African Society for Numerical Mathematics (SANUM) in conjunction with the Department of Computer Science of the University of Natal, Durban. Invited papers will be presented by:

W B Gragg	University of Kentucky
J L Morris	University of Waterloo
L F Shampine	Sandia National Laboratories
S Zlobec	McGill University

This booklet contains summaries of the papers to be read at the Symposium. The authors of these papers have been offered the opportunity to submit their papers for publication, in full, in a special issue of the Journal of Computational and Applied Mathematics devoted entirely to the proceedings of this Symposium. Papers submitted for such publication will undergo the standard refereeing process prior to acceptance.

On behalf of SANUM and all the participants in the Symposium, I thank the University of Natal, and in particular, Professor Sartori-Angus and Ms. Ethel Carte of the Department of Computer Science, for their invaluable assistance in helping to organize the Symposium. The financial support of IBM (South Africa) is also gratefully acknowledged; without this support it would not have been possible to invite our distinguished overseas visitors to attend the Symposium.

Tjalling Ypma
(Secretary : SANUM)

May 1985

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