

SYMPOSIUM  
ON  
NUMERICAL  
MATHEMATICS

DURBAN, 6 - 7 APRIL 1977



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PREFACE

A symposium on numerical mathematics was held in Durban under the auspices of the Computer Science Department of the University of Natal, Durban on 6th and 7th April, 1977. These proceedings are published as a record of the papers presented, the intention being that these will eventually be published elsewhere in a final form. The aim with this third national symposium on numerical mathematics held in South Africa was to present a forum for researchers to report on current research. Thus, in order to speed up the publication of the proceedings, all papers and abstracts are published in the form in which they were received from authors.

The success of this symposium was due to the interest and active participation of all persons who attended. In this regard special mention should be made of the valuable contributions made to the discussions by Professor Lothar Collatz from the University of Hamburg. In addition Professor Collatz read two invited papers.

The invitation to Professor Collatz was made possible through a generous grant from IBM South Africa. The continued support of IBM for these symposia is greatly appreciated.

The assistance of Mrs. Pat Duminy of the Publicity Office of the University of Natal and Mrs. Thea Dixon of the Computer Science Department in organising the symposium contributed immeasurably to its success.

G.R. Joubert.

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