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Algebraic Methods:
Theory, Tools and
Applications



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Preface

A workshop on "Algebraic Methods: Theory, Tools and Applications" was held on June 9–11, 1987 in Passau, Germany. It was organized by the ESPRIT project no. 432, METEOR, in order to discuss the use of algebraic techniques for the systematic construction of software.

At the workshop, four invited talks were given by E. Astesiano, H. Klaeren, H. Partsch and H. Reichel; 15 talks were presented by members of the METEOR project. Jack Metthey, the project officer of the European Community, gave an overview on the ESPRIT projects in the area of software technology.

This volume contains the four invited contributions and 13 technical reports of the METEOR project which were selected by the program committee. 11 of them are revised versions of the talks given at the workshop. The papers by Jonkers on Cold-K and by Hussmann/Rank were added to the volume in order to complete the presentation of algebraic methods.

The program committee consisted of

J.A. Bergstra,
M.C. Gaudel,
H. Obbink,
M. Wirsing.

The program committee would like to thank J. Metthey, P. Wodon and the Universität Passau for making the realization of the workshop possible. The financial support of the following partners of the METEOR project

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Finally, as the editors of the volume we would like to thank R. Weber for his initiative and help in preparing this volume, U. Lechner for carefully typing manuscripts and Springer-Verlag for their excellent cooperation concerning the publication of this volume.

Passau, May 1989

Martin Wirsing, Jan A. Bergstra

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