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and
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Computational Methods in Applied Mathematics

Editor R. Čiegis

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Preface

This CD contains the proceedings of the joint tenth conference "Mathematical Modelling and Analysis 2005" and the second conference "Computational Methods in Applied Mathematics" which took place at June 1-5, 2005 in Trakai, Lithuania. It was organized by Vilnius Gediminas Technical University, ECMI, IMACS, Institute of Mathematics and Informatics (Vilnius) and Vilnius university. The conference was sponsored by Lithuanian State Science and Studies Foundation.

193 participants from 22 countries presented talks on various aspects of mathematical modelling and usage of finite difference and finite element methods for numerical solution of modern problems of science and engineering, differential equations and parallel algorithms.

My thanks go to International Organizing Committee for excellent job during preparation of the conference and for their work in preparing this material for publication.

Finally I would like to thank local organizing group - Dr. M. Meilūnas, Dr. A. Krylovas and Dr. A. Štikonas for their hard work at all stages of conference organization.

10^{th} November 2005

Raimondas Čiegis
Editor of Proceedings

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