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Preface

Computer Aided Systems Theory (CAST) deals with the task of contributing to the creation and implementation of tools for the support of usual CAD tools for design and simulation by formal mathematical or logical means in modeling. Naturally, the basis for the construction and implementation of CAST software is provided by the existing current knowledge in modeling and by the experience of practitioners in engineering design. Systems Theory, as seen from the viewpoint of CAST research and CAST tool development, has the role of providing formal frameworks and related theoretical knowledge for model-construction and model analysis. We purposely do not distinguish sharply between systems theory and CAST and other similar fields of research and tool development such as for example in applied numerical analysis or other computational sciences.

The here documented EUROCAST conference which took place at the Vienna University of Technology reflects current mainstreams in CAST. As in the previous conferences new topics, both theoretical and application oriented, have been addressed.

The presented papers show that the field is widespread and that new developments in computer science and in information technology are the driving forces.

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March 2000

Franz Pichler
Roberto Moreno-Díaz
Peter Kopacek

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