

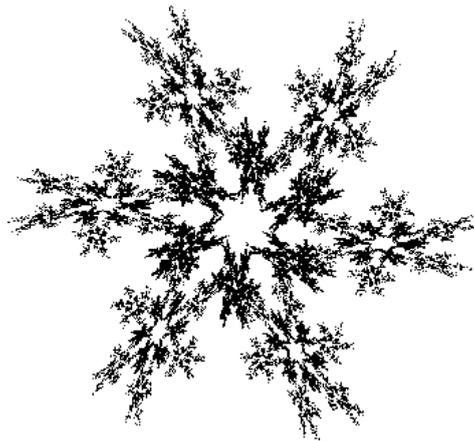


SLOVAK UNIVERSITY OF
TECHNOLOGY IN BRATISLAVA
FACULTY OF MECHANICAL
ENGINEERING



17th CONFERENCE ON APPLIED
MATHEMATICS APLIMAT 2018
PROCEEDINGS

February 6 - 8, 2018 Bratislava
Slovak Republic



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Preface

This volume contains the papers presented at APLIMAT 2018: The 17th Conference on Applied Mathematics held on February 6 - 8, 2018 in Bratislava, Slovakia.

The purpose of the conference is to promote discussions and interactions between researchers and practitioners focused on cooperation in disciplinary, interdisciplinary and transdisciplinary issues, ideas, concepts, theories, methodologies and applications.

We are particularly interested in fostering the exchange of concepts, research ideas and other results which could contribute to the academic area and also benefit business and the industrial community.

Conference main topics

- Algebra and geometry and their applications
- Differential equations, dynamic systems and their applications
- Mathematics and art, section dedicated to the memory of Mauro Francaviglia
- Modeling and simulation in engineering and scientific computations
- New trends in university mathematics education
- Statistical methods in technical and economic sciences and in practise
- Network science, graphs and combinatorics
- Mathematics and physics in contemporary science and technique

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