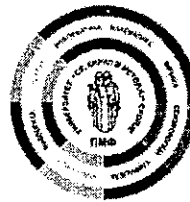


ABSTRACTS

Mathematical Conference 2010
Dedicated to Professor Ćorgi Ćupona
Ohrid, Macedonia, September 10 – 13, 2010

Organized jointly by
Macedonian Academy of Sciences and Arts and
the Institute of Mathematics and the Institute of Informatics
at the Faculty of Natural Sciences and Mathematics,
"Sts. Cyril and Methodius" University, Skopje, Macedonia



Mathematical Conference 2010
Dedicated to Professor Ćorgi Ćupona
Book of Abstracts

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VENUE:
"Sts. Cyril and Methodius" University Congress Center, Ohrid, Macedonia

This book contains all the abstracts of the talks accepted for the conference. The abstracts of the plenary lectures are given by the order of appearance. The abstracts of the contributed talks are listed in alphabetical order of the presenters of the talks. They are in the exact way that they were submitted. Please note, however, that we took the liberty of removing all the references that were not cited in the abstract or that were too many, to keep the size of the book within limits.

Edited by:
Vesna Celakoska-Jordanova

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Solving Lorenz System - Part One

Biljana Zlatanovska *

(joint work with Dončo Dimovski †)

In this work we consider a way of solving Lorenz system with series. The coefficients of the series produce a system of difference equations. Solving each equation of this system, a new system of difference equations is produced.

MSC 2000: 37N99; 39A10.

Keywords: Lorenz system, system of difference equations, series.

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Time Table

FRIDAY (10.09.2010)

16.00 – 22.00	Registration (Ground Floor of the Congress Center)
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SATURDAY (11.09.2010)

8.00 – 9.00	Registration (Ground Floor of the Congress Center)
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9.00 – 9.20	Opening Ceremony	
9.20 – 10.00	S. Markovski: <i>G. Čupona and the Establishment of Algebra in Macedonia</i>	
10.00 – 10.30	S. Zdravkovska: <i>Čupona and the Beginnings of Topology in Macedonia</i>	
10.30 – 11.00	S. Božinovski: <i>Čupona and the First Lecture on Abstract Automata in Macedonia</i>	
11.00 – 11.30	Coffee Break	
	SECTION A	SECTION B
11.30 – 11.50	Aleksandar Krapež	Aleksandar Lipkovski
11.50 – 12.10	Danilo Gligorovski	Dragan Bošnački
12.10 – 12.30	Aleksandra Mileva	Žaneta Popeska
12.30 – 12.50	Vesna Dimitrova	Marija Mihova
12.50 – 13.10	Nataša Ilievska	Nataša Maksimova
13.10 – 16.00	Lunch Break	
16.00 – 16.30	Kalcho Todorov: <i>The Mathematics and the Life</i>	
16.30 – 17.00	Stojan Bogdanović: <i>Professor Čupona and Me</i>	
17.00 – 17.30	Coffee Break	
	SECTION A	SECTION B
17.30 – 17.50	Dragan Mašulović	Slavcho Shtrakov
17.50 – 18.10	Žarko Popović	Ajet Ahmeti
18.10 – 18.20	Dušan Jokanović	Zoran Misajleski
18.20 – 18.40	Alija Mandak	Sonja Čalamani
18.40 – 19.00	Emilija Celakoska	Mazanna Seweryn Kuzmanovska

SUNDAY (12.09.2010)

9.00 – 9.30	Mitrofan Choban: <i>Topological Games and Topologies on Groups</i>	
9.30 – 10.00	Evgeny Shchepin: <i>On Geometry of Peano Curves</i>	
10.00 – 10.30	Zoran Sunić: <i>Coupled Hanoi Towers</i>	
10.30 – 11.00	Nataša Jonoska: <i>Describing Self-assembly of Nanostructures</i>	
11.00 – 11.30	Coffee Break	
	SECTION A	SECTION B
11.30 – 11.50	Mališa Žižović	Ivan Ivanov
11.50 – 12.10	Biljana Zeković	Ismet Yurduşen
12.10 – 12.30	Valentina Miovska	Vesna Dimitrievska Ristovska
12.30 – 12.50	Violeta Manevska	Irena Stojkovska
12.50 – 13.10	Vesna Celakoska	Biljana Zlatanovska
13.10 –	Lunch and Excursion	
20.00 –	Conference Dinner	

MONDAY (13.09.2010)

	SECTION A	SECTION B
9.00 – 9.20	Jordan Tabov	Ivan Ivanov
9.20 – 9.40	Irena Stojimenovska	Biljana Tojtovska
9.40 – 10.00	Ana Donevska Todorova	Aneta Gacovska
10.00 – 10.20	Dimitar Kovachev	Limonka Lazarova
10.20 – 10.40	Valentina Gogovska	
12.00 –	Lunch and Departure	