PROGRAMME

13th Polish-Czech-Slovak Mathematical School KRAKÓW - DOBCZYCE - JAŁOWCOWA GÓRA

$8 th \text{-} 10 th June \ 2006$

$15^{00} - 15^{25}$ Opening

CONFERENCE HALL 1

Section: Theory of Training Teachers of Mathematics

Thursday, June 8, 2006

$15^{30} - 16^{50}$	Chair: Jiři Cihlář
	Bożena Rożek – Rhythmical structure of 2D arrays identified in
	children's drawings
	Mirosława Sajka – From research on using problems related to
	functional equations as multifunctional tools to reveal subject mat-
	ter knowledge of functions in future mathematics teachers
	Jacek Jędrzejewski – A mistake in definition of a limit of function
	and some consequences
	Robert Sochacki – Some remarks on absolute value
$16^{50} - 17^{30}$	Coffee Break
$17^{30} - 18^{50}$	Chair: Grażyna Rygał
	Maciej Klakla – Tasks "for forcing" in developing the mathemati-
	cal activities of the students
	Roman Frič – How big is the difference?
	Maciej Major, Barbara Nawolska – New insights concerning the
	Penney's game
	Aleksandra Urbańska – How a child builds its arithmetical know-
	ledge?
19^{30}	Dinner
Friday June 9, 2006	

Friday, June 9, 2006

$8^{00} - 8^{30}$	Breakfast		
$9^{00} - 10^{20}$	⁰ Chair: Jan Kopka		
	Anita Balcarová, Zdeněk Pejsar – Electronic support in Mathema-		
	tics for students-teachers to primary school of the Pedagogica		
	Faculty		
	Krzysztof Mostowski – Teaching stochastic: from conkrete opera-		
	tion approach to full use graphic calculators		
	Ingrida Kraslanová – Teaching goniometric functions using the ma-		
	thematical software Derive		
	Jiří Soukup – Didactic aspects of multimedia component in e-		
	learning for mathematical pedagogy		
$10^{20} - 11^{00}$	Coffee Break		

$11^{00} - 12^{20}$	Chair: Roman Frič Anna Rybak – <i>Training Teachers for Using Technology in Mathe</i> -
	matics Teaching
	Martina Sandanusová – Confrontation of traditional and computer subsidize learning of function (with equation grapher)
	Peter Vankúš – Efficacy of teaching methods
	Martina Uhlířová – Elementary Teacher Attitudes towards Infor-
	mation and Communication Technology
1300	Lunch
$15^{00} - 16^{20}$	Chair: Josef Molnár
	Jiří Cihlář – Periods in the expansion of rational numbers
	Edita Partová – Differences in teaching of mathematics and te-
	aching of elementary mathematics
	Jindřiška Eberová – On solutions of some mathematical tasks
	Štefan Kováčik – Textbooks Bude škola 1 and Bude škola 2 and
	ich verification in zero classes at elementary schools and infant schools
$16^{20} - 17^{00}$	Coffee Break
$10^{17} - 18^{20}$	Chair: Pavel Tlustý
11 10	Ján Ďuriš – MCRE tasks vs. standard school tasks
	Wacław Zawadowski – Binary Arithmetics in Primary Grades
	Marek Mokriš - The innovation of mathematical curriculum in
	preparation of pre-elementary and elementary teachers
	Bohumil Novák – On some relations of motivation in teaching
	mathematics
18^{30}	Dinner
Saturday, J	June 10, 2006
$8^{00} - 8^{30}$	Breakfast
$9^{00} - 10^{20}$	Chair: Štefan Kováčik
	Marta Pémová – About the basic theorem of oblique axonometry
	Magdalena Krátká – Students' Understanding of the Concept of
	Infinity in the Geometrical Context
	Grażyna Rygał – Generalization of the Simpson rule
	Zdeněk Šima – Some forms and methods of work in mathematics.
1020 1100	Method of "three-steps" and method of three-stage
$10^{20} - 11^{00}$	Coffee Break
$11^{00} - 12^{20}$	Chair: Maciej Klakla
	Filip Roubiček – Representational environments in geometry
	Anna Stopenová – On mathematical imagination of pre-school aged children
	Alena Pridavková – The Mathematical Talented Children and
	Their Education
	Oliver Židek – Didactical use of intuition in knowledge acquisition
12^{30}	Closing
13^{00}	Lunch

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CONFERENCE HALL 6 Section: Theory of Training Teachers of Mathematics

Friday, June 9, 2006

$15^{00} - 16^{20}$	Chair: Bohumil Novák	
	Jitka Hlaváčková – Mathematics and its application in the new	
	educational programme within the primary and lower secondary	
	school	
	L'ubica Gerová – Unusual mathematical problems and pupils inte-	
	rested in mathematics at elementary school	
	Matuš Harminc – Some experiences with the diversity of my pre-	
	sentation: in word problems	
20 00	Zuzana Juščáková – Abilities or didactic test?	
$16^{20} - 17^{00}$	Coffee Break	
$17^{00} - 18^{20}$ Chair: Anna Stopenová		
	Jan Kopka – Investigative Approach in School Mathematics	
	Diana Izvorska – Mathematics models- inter-subject relations in	
	higher mathematics course and special disciplines in economic profile	
	lstván Lénárt – Teachers' Attitude Towards Comparative Geome-	
	try in a Wide-Range Pilot Project	
	Jan Melichar – Entropy in the education of mathematics at ele-	
	mentary schools	
	Pavel Tlustý – A mathematical model of card shuffling	
18^{30}	Dinner	
Saturday, June 10, 2006		

Saturday, June 10, 2006

$8^{00} - 8^{30}$	Breakfast	
$9^{00} - 10^{20}$	Chair: Wacław Zawadowski	
	Jana Přihonská – Development of Combinatorial Thinking	
	Tomáš Zdráhal – Quasiarithmetic weighted mean	
	Ondřej Moc – Gauss's definition of gama function	
	Josef Molnár, Slavomira Schubertová – Male and Female Space	
	Imaginations	
$10^{20} - 11^{00}$	Coffee Break	
$11^{00} - 12^{20}$	⁰ Chair: Tomáš Zdrahál	
	lveta Scholtzová – Combinatorics at primary school	
	Ján Gunčaga, Štefan Tkačik – The limit of a sequence and the limit	
	of a function	
	Eugeniusz Śmietana – The effectiveness of diverging interventions	
	by a teacher in the process of solving a mathematical problem by	
	a talented student	
	Blanka Tomkova – Methods of developing mathematic concepts	
12^{30}	Closing	
13^{00}	Lunch	

CONFERENCE HALL 6

Section: Mathematics

Thursday, June 8, 2002

$15^{30} - 16^{50}$	Chair: Ireneusz Krech Vasyl M. Fedorchuk, Volodymyr I. Fedorchuk – On functional bases
	of the first-order differential invariants for non-conjugate sub-
	groups of the Poincaré group $P(1,4)$
	Jurij Povstenko - Fractional integrals and derivatives
	$Oleg\ Tikhonenko-Queueing\ systems\ with\ common\ memory\ space$
	Małgorzata Wróbel – Some consequences of locally defined opera-
$16^{50} - 17^{30}$	tors (Part II)
$16^{30} - 17^{30}$ $17^{30} - 18^{50}$	Coffee Break
$17^{10} = 18^{10}$	Chair: Jurij Povstenko Zbigniew Powązka – On some characterization antiderivative of a
	function
	Grażyna Krech – On boundary problems for Poisson integrals for
	the Hermite expansions
	Ireneusz Krech – Complex stochastic graph
	Jadwiga Knop – About some properties of i-connected sets
1 0 3 0	Marián Trenkler – SUDOKU variations
19^{30}	Dinner
Friday, June 9, 2006	
$8^{00} - 8^{30}$	Break fast
$\frac{8^{00} - 8^{30}}{9^{00} - 10^{20}}$	Chair: Oleg Tikhonenko
	Chair: Oleg Tikhonenko Daniela Bittnerová – Parametrized Surfaces in E_3
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Saturday, June 10, 2006

$8^{00} - 8^{30}$	Break fast
12^{30}	Closing
13^{00}	Lunch