

Conference



Programme

Monday September 12

13:00 15:00 Conference registration LP-5032

14:00 14:20 Conference Opening LP-5008

Chairman: Halaš Radomír

14:20 14:40 Mikeš Josef The 190th anniversary of Janos Bolyai in Olomouc and non-Euclidean geometry LP-5008

14:40 15:00 Voráčová Šárka The Geometer's Guide to the Olomouc LP-5008

15:00 15:20 Molnár Emil Non-Euclidean Crystal Geometry To Honour of János BOLYAI on 220 Anniversary of His Birth LP-5008

15:30 16:00 Coffee break LP-5029

Chairman: Vajsábllová Margita

16:00 16:20 Chalmoviansky Pavel Famous intersection examples LP-5008

16:20 16:40 Zamboj Michal Higher-dimensional spaces arising from robot kinematic LP-5008

16:40 17:00 Šafařík Jak Počátky kartografie – Od nejstarších památek po středověk LP-5008

17:00 17:20 Trnková Mária Approximating embedded surfaces by triangular meshes LP-5008

17:20 17:40 Ferdiánová Věra, Sováková Barbora, Plinta Martin Výuka geometrie ve Vietnamu LP-5008

18:00 20:00 Welcome party 5th floor respirium

Tuesday September 13

9:00 11:00 Conference registration LP-5032

Chairman: Weiss Gunter

8:30 9:20 Brajerčík Ján Problems of Global Variational Geometry LP-5008

9:20 9:30 Short break

9:30 9:50 Hamajová Klaudia Nonlinear Subdivision Schemes Using Conic Sections LP-5008

10:00 10:30 Coffee break LP-5029

Chairman: Vršek Jan

10:30 10:50 Velichová Daniela Pselical surfaces LP-5008

10:50 11:10 Weiss Gunter Symmetry – a natural phenomenon causing homo sapiens to become a homo mathematicus LP-5008

11:10 11:30 Lávička Miroslav Exact and approximate symmetries of discrete curves LP-5008

11:30 11:50 Pech Pavel A spatial generalization of Wallace–Simson theorem on four lines LP-5008

12:00 14:00 Lunch break

14:00 15:00 Conference registration LP-5032

Chairman: Pech Pavel

14:00 14:20 Rückschlossová Tatiana Plochy technickej praxe – proces tvorby tlačných 3D modelov LP-5008

14:20 14:40 Vajsábllová Margita Vedutes and their geometric character LP-5008

14:40 15:00 Čečáková Stanislava, Kolářová Dana 3D Modeling of Geometry Surfaces in Education of Future Architects LP-5008

15:00 15:20 Holešová Michaela Modern technologies in teaching geometry LP-5008

15:30	16:00	Coffee break		LP-5029
<i>Chairman: Chalmoviansky Pavel</i>				
16:00	16:20	Bizzarri Michal	A note on spherical macro-elements and polynomial surfaces with Pythagorean normals	LP-5008
16:20	16:40	Vršek Jan	Pythagorean-hodograph projections of spatial polynomial curves	LP-5008
16:40	17:00	Hlavová Marta, Linkeová Ivana	Construction of interpolation B-spline curve for technical application	LP-5008
17:00	17:20	Linkeová Ivana, Hlavová Marta	CTU freeform standard Pharaoh	LP-5008
17:20	17:40	Šír Zbyněk	Polynomiality versus rationality of Pythagorean hodographs curves	LP-5008
17:40	17:50	Velichová Daniela	CSGG in 2023 - info	LP-5008
18:00		Meetings of societies SSGG, ČSGG		LP-5008

Wednesday September 14

<i>Chairman: Lávička Miroslav</i>				
8:30	9:20	Barton Michael	5-axis flank CNC machining of free-form surfaces using custom-shaped tools	LP-5008
9:20	9:30	Short break		
9:30	9:50	Cibulka Jaroslav	Parametrický 3D model kompresorové lopatky NASA rotor 37	LP-3003
10:00	10:30	Coffee break		LP-5029
<i>Chairman: Šír Zbyněk</i>				
10:30	10:50	Müller Jakub	Analýza odchylky bodu od plochy	LP-5008
10:50	11:10	Tereňová Zuzana	Geometria pre odbor Matematicko-počítačové modelovanie na SvF STU v Bratislave	LP-5008
11:10	11:30	Králová Alice	Parametrizace parabolického konoidu a jeho zobrazení v programech GeoGebra a Maple	LP-5008
11:30	13:00	Lunch break		
13:00	17:30	Conference trip	The detailed harmonogram of the trip will be provided during conference opening	
19:30		Conference dinner		Fort Science

Thursday September 15

Conference & GeoGebra workshop

<i>Chairman: Velichová Daniela</i>				
8:30	9:20	Kovacs Zoltan	Stepwise discovery of geometrical knowledge in GeoGebra	LP-5008
9:20	9:30	Short break	Move to room LP-5001 - GeoGebra workshop	
9:30	9:50	Hašek Roman	Introduction to dynamic construction in GeoGebra	LP-5001
10:00	10:30	Coffee break		
<i>Chairman: Linkeová Ivana</i>				
10:30	10:50	Beganová Juliana	Vytvorenie animácie v programe Geogebra	LP-5001
10:50	11:10	Ferdiánová Věra, Sováková Barbora, Plinta Martin	Architektonické prvky a jejich využití ve výuce geometrie	LP-5001
11:10	11:30	Bezstarostová Bohuslava, Chodorová Marie	Tvorba nástrojů v GeoGebře při řešení střech	LP-5001
11:50	13:00	Lunch break		
13:30		Departure		