

Big lecture room I.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	Opening	J. Fine	J. Fine		B. Kruglikov	A. Alekseev
10	S. Nemirovski Lorentz geometry and contact topology I.	Knots, minimal surfaces and J -holomorphic curves I.	Knots, minimal surfaces and J -holomorphic curves II.		Supersymmetries of geometric structures III.	Virasoro Hamiltonian spaces and 2D-1D duality III.
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10:00		E. Miranda	E. Miranda		A. Alekseev	R. Loja Fernandes
10	R. Loja Fernandes Solving Cartan's realization problems I.	From fluid computers to escape trajectories: Two sides of a mirror I.	From fluid computers to escape trajectories: Two sides of a mirror II.		Virasoro Hamiltonian spaces and 2D-1D duality II.	Solving Cartan's realization problems III.
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11:00		B. Kruglikov	A. Alekseev		R. Loja Fernandes	S. Nemirovski
10	B. Kruglikov Supersymmetries of geometric structures I.	Supersymmetries of geometric structures II.	Virasoro Hamiltonian spaces and 2D-1D duality I.		Solving Cartan's realization problems II.	Lorentz geometry and contact topology III.
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12:00						

Big lecture room II.

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

15:00						
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35	S. Krýsl		H. Winther		A. C. Ferreira	R. Lávička
40	Schur–Weyl–Howe type duality and		Compact and Non-Compact Parabo-		Geometry of spaces of split skew tor-	Massless fields in dimension 4 for any
45	ellipticity of twistor complexes in		lic Space Forms		sion	spin
50	symplectic geometry					
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16:00						
05	Z. Dušek	P. Kristel	J. Gregorovič	J. Fine	T. Arias-Marco	M. Marvan
10	Structure of geodesics for Finsler ge-	The geometry of Lagrangian subspa-	On integrability of compatible G -	Knots, minimal surfaces and J -	4-dimensional Riemannian homoge-	Matching van Stockum dust to Papa-
15	odesic orbit (α, β) -metrics	ces	structures	holomorphic curves III.	neous manifolds	petrou vacuum
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35	E. Schneider	S. Popov	O. Makhmali		R. Půček	R. Kycia
40	Finding ODEs that are invariant un-	On Shelah categoricity conjecture,	Path geometry of chains and dancing:		Separable geometries and new exam-	How to solve parallel transport
45	der a given Lie algebra of vector fields	abstract elementary classes and rich	a characterization for surfaces		ples of extremal Kähler metrics	equation on associated vector bundle
50		families of models				
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17:00						
05	D. Sykes	P. Mir Garcia	S. Blitz	S. Nemirovski	C. Harrach	D. D. McNutt
10	Constant nilpotent symbol CR hyper-	A b -symplectic Hamiltonian model for	Toward a Classification of Conformal	Lorentz geometry and contact topo-	On the relation between discrete	Symmetries in the presence of torsion
15	surfaces from multi-weighted homo-	dissipative dynamics	Hypersurface Invariants	logy II.	series representations and BGG-	complexes
20	geneous polynomials					
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35	A. Galaev	S. A. Almpanis	J. Šilhan		V. Souček	K. Sagerschnig
40	Losik classes and Reeb foliations	Dirac cohomology for the BGG cate-	Variational characterization of circles		Grushin complexes as generalized	Parabolic quasi-contact cone structu-
45		gory \mathcal{O}	in low dimensions		BGG complexes	res with an infinitesimal symmetry
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18:00						
05	P. Michor	B. Doubrov	M. Dunajski	E. Miranda	D. The	A. Čap
10	Pulling back metrics from the space	Homogeneous deformations of the ad-	Conformal geodesics can not spiral	From fluid computers to escape tra-	On uniqueness of submaximally sym-	BGG sequences and generalizations of
15	of all Riemannian metrics to the diffe-	joint orbit of $\mathfrak{sl}(3)$		jectories: Two sides of a mirror III.	metric geometric structures	the Korn inequality
20	omorphism groups and the elasticity					
25	complex					
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19:00						

Small lecture room

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
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35	Z. Guo	Á. González-Prieto	A. Garmendia		D. Rist	
40	Interpreting the standard cotractor connection associated to a (generalized) path geometry	Topological Quantum Field Theories in representation theory	Lie Algebroids, Groupoids and Quantization		Non-Abelian Gerbes with Connections	
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16:00						
05	G. Clemente	A. Marchesiello	T. Procházka		A. Carotenuto	C. A. Cremonini
10	Curvature in almost-complex and complex geometry	Bifurcations of symmetric resonances	Bethe equations and $2d$ CFT		Differential nested pairs of quantum homogeneous spaces	Branes, kappa symmetry and all that
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35	F. Valach	L. Hadasz	J. Janyška		K. Grizelj	J. Novák
40	On G -algebroids	Non-rational $\widehat{su}(2)$ cosets and Liouville field theory	Minimal coupling of gravitational and electromagnetic fields in General Relativity		Transgression in the relative Weil algebra	Graviton as a phonon and dark energy problem
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17:00						
05	O. Hulík	S. Hronek	M. Zika		A. Krutov	G. Vos
10	TBA	Quantum corrections in double field theory	Correspondences of Quantum L_∞ Algebras		Schubert calculus for the quantum Grassmannians	Holography for bulk states in $3d$ quantum gravity
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35	L. Šnobl	J. Vysoký	R. Golovko		R. Ó Buachalla	I. Khavkine
40	Pairs of commuting quadratic elements in the universal enveloping algebra of Euclidean algebra and integrals of motion	Palatini variation in supergravity	On non-geometric augmentations of Legendrian submanifolds		Towards a quantum BGG sequence for the A -series full quantum flag manifolds	IDEAL characterization of pp -wave spacetimes
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18:00						
05	M. F. Hoque	G. Chadzitaskos	G. D. Rizell		M. Schnabl	R. von Unge
10	Nonstandard integrable and superintegrable classical systems in non-vanishing magnetic fields	Space proper time manifold	Quantitative perspective on Legendrians and non-Legendrians, and applications to C^0 -contact topology		Conformal Perturbation Theory from String Field Theory	New techniques for gauge theories in Projective superspace
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Middle lecture room

Thursday

16:00	T. Rusin Bounds for the cup-length of some oriented Grassmann manifolds
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30	A. Raj Classification Problems of Sphere Bundles Over Spheres
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17:00	T. Macko The homological part of the total surgery obstruction
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30	S. Dylida Algebraic Surgery over simplicial complexes and ball complexes
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18:00	D. Trnka Category-colored operads
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19:00	

Posters

Aditya Basu: *Poisson-Lie T-Duality from Courant Algebroid Reduction*

Branislav Jurčo: *Colour-kinematics duality, double copy, and homotopy algebras*

Lukáš Krump: *Exactness of the generalised Dolbeault complex for k Dirac operators in the stable rank*

Jan Slovák: *Applications of Finsler geometry in Medical Imaging*

Wijnand Steneker: *Killing tensors in Koutras-McIntosh spacetimes*

Mária Šimková: *Are two finite H -spaces homotopy equivalent?*

Vít Tuček: *Applications of flag manifolds*

Lenka Zalabová: *Conformal Killing trajectories on conformal Riemannian sphere*

