

School and Workshop on Dynamical Systems

FIRST WEEK

JAN 17 - TUE	JAN 16 - MON	JAN 17 - TUE	JAN 18 - WED	JAN 19 - THUR	JAN 20 - FRI	
8:50 9:40	Introduction to partial hyperbolicity Flávio Abdenur (IMPA)	Introduction to partial hyperbolicity Flávio Abdenur (IMPA)	Introduction to partial hyperbolicity Flávio Abdenur (IMPA)	Introduction to partial hyperbolicity Flávio Abdenur (IMPA)	Introduction to partial hyperbolicity Flávio Abdenur (IMPA)	
9:45 10:40	Introduction to one-dimensional dynamics Daniel Smania (USP-São Carlos)	Introduction to one-dimensional dynamics Daniel Smania (USP-São Carlos)	Introduction to one-dimensional dynamics Daniel Smania (USP-São Carlos)	Introduction to one-dimensional dynamics Daniel Smania (USP-São Carlos)	Introduction to one-dimensional dynamics Daniel Smania (USP-São Carlos)	
10:40 – 11:10	C O F F E E - B R E A K					
11:10 – 12:00	Henon Renormalization M. Martens	Living in Dimension 1 under the class C^2 A. Navas	Maximizing Measures, Subactions, Large Deviations A. Lopes	Nonlocal Instability of the Planar 3 Body Problem V. Kaloshin	C^2 -generically the 2-sphere has an elliptic closed geodesic G. Contreras	
12:00 – 14:00	L U N C H					
14:00 – 14:50	Thermodynamic formalism for non-uniformly hyperbolic dynamical systems K. Gelfert	The metric theory of the negative slope algorithm Luiz Fernando C. da Rocha	The index of vector fields and logarithmic differential forms A.G. Aleksandrov	Stochastic Stability for diffeomorphisms with dominated splitting Carlos Vasquez Ehrenfeld	On a Conjecture of A. Katok A. A. Castro	
		Wild Lorenz Like Attractors R. Bamon	Lines of mean and principal curvature: local and global aspects R. Garcia	Dynamical System of Substitutions Ali Messaoudi	On Birkhoff's Theorems for Lagrangian, invariant tori with closed orbits Rafael Oswaldo Ruggiero	
14:50 – 15:20	C O F F E E - B R E A K					
15:20 – 16:10	Uniquely Maximizing Measures O. Jenkinson	More Limit Cycles than Expected in Lienard Equations D. Panazzolo	Transitive Anosov flow and suspension N. Guelman	Singular attractors from singular cycles Bernardo San Martín Rebolledo	FREE AFTERNOON	
		The Rovella Attractor is a Homoclinic Class R. Metzger				
16:20 – 17:10	Monodromy in integrable and almost integrable Hamiltonian systems F. Takens	Mañé, the explosion of singular-cycles and other stories M. J. Pacífico	Invariants Varieties for Relay Systems M. A. Teixeira	Advanced Statistical Properties for Dispersing Billiards N. Chernov		
17:10	Opening Ceremony					

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SECOND WEEK

JAN 17 - TUE	JAN 23 - MON	JAN 24 - TUE	JAN 25 - WED	JAN 26 - THUR	JAN 27 - FRI
8:50 à 9:40	Ergodicity of partially hyperbolic systems Amie Wilkinson (Northwestern)	Ergodicity of partially hyperbolic systems Amie Wilkinson (Northwestern)	Ergodicity of partially hyperbolic systems Amie Wilkinson (Northwestern)	Ergodicity of partially hyperbolic systems Amie Wilkinson (Northwestern)	Ergodicity of partially hyperbolic systems Amie Wilkinson (Northwestern)
9:45 à 10:40	Density of hyperbolicity in dimension one Sebastian van Strien (Warwick)	Density of hyperbolicity in dimension one Sebastian van Strien (Warwick)	Density of hyperbolicity in dimension one Sebastian van Strien (Warwick)	Density of hyperbolicity in dimension one Sebastian van Strien (Warwick)	Density of hyperbolicity in dimension one Sebastian van Strien (Warwick)
C O F F E E - B R E A K					
11:10 – 12:00	New C^r Structures on Papers Surfaces A. Pinto	Local ergodicity of smooth maps with singularities R. Markarian	Generalized dimensions and complexity functions of infinite sequences C. Moreira	TBA C. Matheus	Centralizer of C^1 Generic Diffeomorphisms C. Bonatti
L U N C H					
14:00 – 14:50	Absolutely continuous invariant measures for maps with some expansion V. Pinheiro	The sum of digits of prime numbers C. Mauduit	Prime Ends and Homoclinic Orbits for Geodesic and Contact Flows F. Oliveira	Robustly expansive codimension-one homoclinic classes are hyperbolic J. Vieitez	
		High dimension diffeomorphisms exhibiting infinitely many strange attractors Luis Bladimir Ruiz Leal			
C O F F E E - B R E A K					
15:20 – 16:10	Open Sets of Local Diffeomorphisms with Unique Maximal Entropy Measure K. Oliveira	Lower bounds for the Hausdorff dimension of the Geometric Lorenz Attractor: the rational case L. Mora	Hopf Bifurcation at Infinite for Planar Vector Fields C. Gutierrez	Sectionally dissipative regions M. Sambarino	
16:20 – 17:10	Explicit Representatives of Extended Rauzy classes A. Zorich	Chaos and Complexity Celso Grebogi	On the Method of Minimal Rambling Sets of Liao L. Wen	Hyperbolic structures for non-uniformly hyperbolic diffeomorphisms: existence and consequences J. Alves	