drigo G. **Schaefer**

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Research interests _____

Arnold Diffusion

CURRENT RESEARCH

• Arnold diffusion using scattering maps in an a priori unstable Hamiltonian system with 3-1/2 degrees of freedom.

Celestial Mechanics

• N-body problem on surfaces

Education _

Ph.D in Applied Mathematics

UPC (UNIVERSITAT POLITÈCNICA DE CATALUNYA)

Barcelona, Spain Sep. 2014 - PRESENT

- · Advisor: Amadeu Delshams
- Got a CNPq Scholarship (Brazil).

M.S. in Mathematics Rio de Janeiro, Brazil

UFRJ(FEDERAL UNIVERSITY OF RIO DE JANEIRO)

Mar. 2012 - May 2014

- Master's thesis: A dinâmica de N corpos sobre superfícies : um exemplo para 2 corpos
- Advisor: Stefanella Boatto
- · Got a FAPERJ Scholarship which is given to the two best students in Master program Dept. of Math

B.S. in Mathematics Rio de Janeiro, Brazil

UFRJ(FEDERAL UNIVERSITY OF RIO DE JANEIRO)

Mar. 2008 - Jan 2012

Publications and Preprints _____

N-body dynamics on closed surfaces: the axioms of mechanics

BOATTO, S., DRITSCHEL, D.G. AND SCHAEFER, R.G.

· Proceedings of the Royal Society of London A: Mathematical, Physical and Engineering Science

Arnold diffusion for a complete family of perturbations

2017

2016

DELSHAMS, A. AND SCHAEFER, R.G.

• Regular and Chaotic Dynamics

Work experience _____

Fixed-term Teacher Rio de Janeiro, Brazil

UFRJ (FEDERAL UNIVERSITY OF RIO DE JANEIRO)

Mar. 2014 - Agu. 2014

- · Differential and Integral Calculus
- · Linear Algebra

Monitor Student Rio de Janeiro, Brazil

UFRJ (FEDERAL UNIVERSITY OF RIO DE JANEIRO)

2009 - 2011

· Linear Algebra

Presentation

Arnold Diffusion for several examples using Scattering map (poster)

Vigo, Spain

14TH WINTER SCHOOL OF THE SPANISH DANCE NETWORK

2017

Global instability in Hamiltonian Systems and several Scattering maps

BARCELONA UB-UPC DSG SEMINAR

Barcelona, Spain

2016

2016

2016

2012

Arnold dffusion using several combinations of Scattering maps (poster)

13TH WINTER SCHOOL OF THE SPANISH DANCE NETWORK

Seville, Spain

Arnold dffusion using several combinations of Scattering maps (poster)

14TH WORKSHOP ON INTERACTIONS BETWEEN DYNAMICAL SYSTEMS AND PDE'S.

Barcelona, Spain 2016

Global instability in Hamiltonian Systems

JUNIORGESTA

Barcelona, Spain

Global instability in Hamiltonian Systems

II BGSMATH JUNIOR MEETING

Barcelona, Spain

Propagação de um impulso elétrico em um axônio nervoso (poster)

CNMAC - NATIONAL CONGRESS OF APPLIED AND COMPUTATIONAL MATHEMATICS

Águas de Lindóia, Brazil

Research Group and Networks _____

UPC Dynamical System Group

Barcelona

MEMBER 2014 - Present

• Group of researchers in Dynamical Systems of Universitat Politècnica de Catalunya

DANCE Spain

MEMBER 2016

• Network of spanish reseachers in Dynamical Systems

Others Courses

Introduction to Python Barcelona

CENTRE DE RECERCA MATAMÀTICA 2015

R Programming Coursera

JOHNS HOPKINS UNIVERSITY 2016

Getting and Cleaning Data Coursera

JOHNS HOPKINS UNIVERSITY 2016

Languages _

Portuguese Native Fluent **English** Intermediate **Spanish** Advanced

Catalan Intermediate

Programming Languages ______

Python Intermediate LaTeX Intermediate R Basic

Congresses and conferences attended _____

DDays Salou, Spain

DANCE-NET 2016

13th Workshop on interactions between Dynamical Systems and PDE's

Barcelona, Spain

2015

2015

2014

Universitat Politècnica de Catalunya

Vall de Núria, Spain

Global Dynamics in Hamiltonian SystemsUNIVERSITAT POLITÈCNICA DE CATALUNYA

Winter School: Recents Trends in Nonlinear Sciences

Valladolid, Spain

Universidad de Valladolid and Dance-net

Darcolona Chain

Barcelona Mathematical Days. Societat Catalana de Matemàtiques Barcelona, Spain

Badajoz, Spain

DDAYS.DANCE-NET

2014

Hamiltonian Dynamics, Non-Autonomous System and Patterns in PDE's.

Nizhny Novgorod, Russia

LOBACHEVSKY STATE UNIVERSITY OF NIZHNI NOVGOROD

2014

Shilnikov Workshop.

Nizhny Novgorod, Russia

LOBACHEVSKY STATE UNIVERSITY OF NIZHNI NOVGOROD

2014