

School of Mathematics

[Special Mathematical Physics Seminar](#)

Submitted by admin on Wed, 05/08/2013 - 10:01

Planar Ising Model: Discrete and Continuous Structures

Clement Hongler

Columbia University

Date & Time: Fri, 05/10/2013 - 14:00 - 15:00

Location: S-101

Video Link:

<http://video.ias.edu/speciallecture/1213/0510-ClementHongler>

terms:

- [School of Mathematics](#)

[Analysis Seminar](#)

Submitted by admin on Mon, 04/29/2013 - 17:01

A Non-Isotropic Mechanism for the Formation of Trapped Surfaces

Series: Analysis Seminar

Sergiu Klainerman

Princeton University

Date & Time: Tue, 04/30/2013 - 15:00 - 16:00

Location: S-101

Video Link:

<http://video.ias.edu/analysis/1213/0430-SergiuKlainerman>

I present a new, fully anisotropic, criterion for formation of trapped surfaces in vacuum obtained in collaboration with J. Luk and I. Rodnianski. We provide conditions on null data, concentrated in a neighborhood of a short null geodesic segment (possibly flat everywhere else) whose future development contains a trapped surface. This extends considerably the previous result of Christodoulou which required instead a uniform condition along all null geodesic generators.

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[Faculty Lecture](#)

Submitted by admin on Wed, 04/24/2013 - 10:01

A Hollywood Celebrity, the 'Bad Boy' of Music, and the History of Modern Wireless Communications

Mark Goresky

Member, School of Mathematics

Date & Time: Wed, 04/24/2013 - 16:30 - 17:30

Location: Wolfensohn Hall

terms:

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[Joint IAS/PU Number Theory Seminar](#)

Submitted by admin on Fri, 04/19/2013 - 16:01

Moduli of Representations and Pseudorepresentations

Carl Wang Erickson

Harvard University

Date & Time: Thu, 05/02/2013 - 16:30 - 17:30

Location: S-101

Video Link:

<http://video.ias.edu/jointiaspu/1213/0502-CarlErickson>

A continuous representation of a profinite group induces a continuous pseudorepresentation, where a pseudorepresentation is the data of the characteristic polynomial coefficients. We discuss the geometry of the resulting map from the moduli formal groupoid of representations to the moduli formal scheme of pseudorepresentations. We find that, relative to the moduli of pseudorepresentations, the groupoid of continuous representations is algebraizable and universally closed, being representable by a finitely presented algebraic stack.

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[Joint IAS-PU Symplectic Geometry Seminar](#)

School of Mathematics

Submitted by admin on Thu, 04/18/2013 - 10:01

Examples of Nearly Integrable Systems with Asymptotically Dense Projected Orbits

Jean-Pierre Marco

Universite Paris VI

Date & Time: Fri, 04/19/2013 - 11:00 - 12:00

Location: Fine Hall 314

terms:

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[Mathematics Seminar Talks](#)

Submitted by admin on Wed, 04/17/2013 - 12:01

Date & Time: Wed, 05/08/2013 - 11:00 - 16:00

Location: West Bldg. Lecture Hall

Rooms: West Lecture Hall

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[Mathematics Seminar Talks](#)

Submitted by admin on Wed, 04/17/2013 - 12:01

Date & Time: Thu, 05/09/2013 - 11:00 - 17:30

Location: West Bldg. Lecture Hall

Rooms: West Lecture Hall

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[Analysis Seminar](#)

Submitted by admin on Wed, 04/17/2013 - 10:01

On the Existence of Global Solutions of Certain Fluid Models

Series: Analysis Seminar

School of Mathematics

Alexandru Ionescu
Princeton University

Date & Time: Tue, 04/23/2013 - 16:30 - 17:30

Location: S-101

Video Link:

<http://video.ias.edu/analysis/1213/0423-Alexandrulonescu>

I will discuss recent work on the global stability of the Euler-Maxwell equations in 3D (joint work with Guo and Pausader), and of the gravity water-wave system in 2D (joint work with Pusateri).

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[Joint IAS/PU Number Theory Seminar](#)

Submitted by admin on Fri, 04/12/2013 - 16:01

Harmonic Maass Forms of Weight One

William Duke

University of California, Los Angeles

Date & Time: Thu, 04/25/2013 - 16:30 - 17:30

Location: Fine Hall 214

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[Analysis Seminar](#)

Submitted by admin on Fri, 04/12/2013 - 13:01

New Limiting Theorems for the Mobius Function

Series: Analysis Seminar

Yakov Sinai

Princeton University

Date & Time: Fri, 04/26/2013 - 15:15 - 16:15

Location: S-101

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