

Xmaths workshop

20/12/2013 ore 9.15 Aula III

Programma

Konstantin Palagachev (Munich Aerospace)

A Mixed-Integer Optimal Control Approach for Aircraft Landing Problem (15')

Giuseppe Vacca (Università di Bari)

The mimetic finite difference method for diffusion problems (15')

Antonio Macchia (Università di Bari)

The Arithmetical Rank of some Squarefree Monomials Ideals. (15')

Angela Martiradonna (Università di Bari)

Population dynamics of fisheries (15')

Fabio Difonzo (Georgia Institute of Technology)

Selection of Filippov vector fields for discontinuous ODE's (15')

11:00 - 11:30 **Break (30')**

Sessione speciale: ANALISI MATEMATICA

Sara Barile (Università di Bari)

Existence and Multiplicity Results for Some Nonlinear Elliptic Equations by Variational Methods (20')

Lorenzo Di Ruvo

Introduction to scalar conservation laws (20')

Gianluca Orlando (SISSA - Trieste)

Laplace equation in cracked domains: relations between energy of solutions and crack length (15')

Melisew Tefera Belachew (Università di Bari)

Non-negative Matrix Factorization: An overview. (15')

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20/12/2013 ore 15.00 Aula III

Sessione speciale: FISICA MATEMATICA

Marilena Ligabò

Quantum Maps on the Torus (30')

Fabio Deelan Cunden (Università di Bari)

Random Matrix Theory: an appetizer (15')

Sessione speciale: ANALISI NUMERICA

Giuseppina Settanni (Università del Salento)

Numerical solution of Sturm-Liouville problems and simulation of the whispering gallery modes (30')

Sara Di Martino (Università di Bari)

Entanglement: monogamous & frustrated (15')

Sessione speciale: ALGEBRA

Lucio Centrone (Universidade Estadual de Campinas)

An introduction to polynomial identities (30')

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