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Title: UVic one day Seminar on Dispersive PDEs

Event Type: Lecture-Seminar-Series

Location:

University of Victoria

Dates:

February 25, 2012

Topic:

Recent progress in Dispersive Equations

Methodology:

Series of talks given by young and established researchers in the field

Objectives Achieved:

Our students could discuss and ask questions about their research to all the speakers and joint research projects between several participants is in the way!

Scientific Highlights:

One of the most difficult issues in dealing with energy critical equations in two space dimension is the lack of a complete understanding of the non-compactness of Sobolev embedding. Recent progress were made in this direction by Ibrahim and most importantly by Bahouri who is a world leader in this topic. The new results may be of great interest in solving some global wellposedness and scattering results about 2D NLS or Schroedinger/wave maps.

Organizers:

Ibrahim, Slim, University of Victoria

Speakers:

1. Bahouri, Hajer (Paris): "On the lack of compactness of Sobolev embedding in Orlicz space"// 2. Gustafson, Stephen (UBC) "On the blow-up of equivariant heat and Schroedinger flows into the sphere"// 3. Ibrahim, Slim (UVic) "Blow up versus Scattering for the perturbed energy critical NLS"// 4. Perleman, Galina : (Paris) "Contracting sphere blow up solutions for the 3D cubic NLS"// 5. Tsai, Tai-Peng (UBC) "Classification of asymptotic profiles for nonlinear Schroedinger equations with many excited states"// 6. Zwiers, Ian "Local dynamics near unstable branches of NLS solitons"

Links:

<http://www.uvic.ca/science/math-statistics/home/events/conferences/index.php>
