RIMS workshop
Spectral and Scattering Theory and Related Topics

December 6th (Wed.) – 8th (Fri.), 2017
Venue: RIMS Room 111.

Program

December 6 (Wed.)
14:30–15:30  András Vasy (Stanford University)
Fredholm theory and the resolvent of the Laplacian near zero
energy on asymptotically conic spaces

15:50–16:50  Haruya Mizutani (Osaka University)
Uniform Sobolev estimates for Schrödinger operators with
scaling-critical potentials

December 7 (Thur.)
10:00–11:00  Keiichi Kato (Tokyo University of Science)
Wave packet transform and wave front set of solutions to
Schrödinger equations

11:20–12:20  Xue Ping Wang (University of Nantes)
Gevrey estimates of the resolvent and sub-exponential
time-decay of solutions

(Lunch)
14:00–15:00  Julien Royer (University of Toulouse 3)
Local energy decay for the asymptotically periodic damped wave equation

15:20–16:00  Yukimi Goto (University of Tokyo)
The absence of the ground state for Coulomb systems with the critical charge

16:10–16:50  Kouichi Taira (University of Tokyo)
Strichartz estimates for non-degenerate Schrödinger equations

December 8 (Fri.)
10:00–11:00  Fumihiko Nakano (Gakushuin University)
Level statistics for 1 dimensional Schrödinger Operators

11:20–12:20  Peter Müller (University of Munich)
Changing boundary conditions and the spectral shift

(Lunch)

14:00–15:00  Hideo Tamura (Okayama University, emeritus)
Efimov effect in two dimensions: asymptotic distribution of negative eigenvalues

15:20–16:20  Erik Skibsted (Aarhus University)
Spectral analysis of N-body Schrödinger operators at thresholds

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