

Lectures on Semi-Classical Analysis

Date: July 4 (Mon.) - 6 (Wed.), 2016

Venue: Ritsumeikan University, Biwako-Kusatsu-Campus(BKC),
Bldg. West Wing 6-th Floor, Colloquium Room.

July 4 (Monday)

13:30 – 14:30 RAIKOV, Georgi (Santiago)
Berezin-Toeplitz Operators in the Spectral and Scattering Theory
of Magnetic Quantum Hamiltonians (I)

— Coffee —

15:00 – 16:00 WANG, Xue Ping (Nantes)
Semiclassical Resolvent Estimates of Dissipative Schrödinger Operators (I)

16:15 – 16:45 MORIOKA, Hisashi (Saitama)
Non-Scattering Energy and Transmission Eigenvalue Problems

16:45 – 17:15 MIKAMI, Keita (Tokyo)
Geometric Scattering for Schrödinger Operators with Asymptotically
Homogeneous Potentials of Order Zero

— Banquet —

July 5 (Tuesday)

10:00 – 11:00 WANG, Xue Ping (Nantes)
Semiclassical Resolvent Estimates of Dissipative Schrödinger Operators (II)

11:15 – 11:45 SUZUKI, Akito (Matsumoto)
Spectral Scattering Theory of Quantum Walks

— Lunch —

13:00 – 14:00 RAIKOV, Georgi (Santiago)
Berezin-Toeplitz Operators in the Spectral and Scattering Theory
of Magnetic Quantum Hamiltonians (II)

14:15 – 14:45 GOTO, Yukimi (Tokyo)
The Absence of the Ground State for Coulomb Systems with the Critical Charge

— Coffee —

15:15 – 15:45 ASHIDA, Sohei (Kyoto)
Propagation Estimates for Two-cluster Scattering Channels
of N-body Schrödinger Operators

15:45 – 16:15 TADANO, Yukihide (Tokyo)
Long-Range Scattering for Discrete Schrodinger Operators

16:15 – Poster Session and Buffet

- HIROTA, Koki (Kusatsu),
Eigenvalues of a Complex Perturbation of the Zakharov-Shabat Operator
- MAROUANE, Assal (Bordeaux),
Long Time Semiclassical Egorov Theorem for h-Pseudodifferential Systems
- MATSUTA, Takuro (Tokyo),
The Lieb-Robinson Bounds Estimate for Long-Range Potentials
- SHOJI, Naotaka (Tsukuba),
Non-Scattering Energy and Interior Transmission Eigenvalue
- TAIRA, Koichi (Tokyo),
Essential Self-Adjointness of Non-Elliptic Schrödinger operators
- WITTSTEN, Jens (Kusatsu),
Deblending Seismic Data by Directionality Penalties
- YOSHIDA, Naoya (Kusatsu),
CLR-Estimate for Magnetic Schrödinger Operator

July 6 (Wednesday)

10:00 – 11:00 RAIKOV, Georgi (Santiago)
Berezin-Toeplitz Operators in the Spectral and Scattering Theory
of Magnetic Quantum Hamiltonians (III)

11:15 – 11:45 ISHIDA, Atsuhide (Tokyo)
A Propagation Property for the Fractional Power of Negative Laplacian

— Lunch —

13:00 – 13:30 KAWAMOTO, Masaki (Kobe)
Klein-Gordon System with Electric Fields

13:45 – 14:45 WANG, Xue Ping (Nantes)
Semiclassical Resolvent Estimates of Dissipative Schrödinger Operators (III)

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