Schrödinger Operators and Related Topics

Date January 8–10, 2020

Place Gakushuin University, 1-5-1, Mejiro, Toshima, Tokyo, 171-8588 Japan

HP https://srik.kumamoto-u.ac.jp/hisa/SORT2020/SORT2020.html

Program

January 8 (Wednesday)

10:00 – 10:50 Erik Skibsted (Aarhus University)

Spectral and scattering theory of N-body systems at thresholds

11:10 – 12:00 Sohei Ashida (Gakushuin University)

Lower bounds for eigenvalues of sums of self-adjoint operators

14:00 – 14:50 Peter Hislop (University of Kentucky)

Some recent results on local eigenvalue statistics for random Schrödinger operators

15:20 – 16:10 Takuya Mine (Kyoto Institute of Technology)

Poisson point interactions in a constant magnetic field

16:30 – 17:20 Hal Tasaki (Gakushuin University)

Irreversibility in Isolated Macroscopic Quantum Systems: A General Theory and a Toy Example

January 9 (Thursday)

10:00 – 10:50 Horia Cornean (Aalborg University)

Peierls' substitution for low lying spectral energy windows

11:10 – 12:00 Fumio Hiroshima (Kyushu University)

Semi-classical analysis and Wigner measure for non-relativistic QED

14:00 – 14:50 Maciej Zworski (University of California, Berkley)

Microlocal complex deformations revisited

15:20 – 16:10 Setsuro Fujiie (Ritsumeikan University)

Eigenvalues and resonances created by energy-level crossings.

16:30 – 17:20 Kenji Yajima (University of Tokyo/Gakushuin University)

L^p-boundedness of wave operators for two dimensional Schroedinger operators with point interaction.

18:00 – Banquet

January 10 (Friday)

10:00 – 10:50 Frédéric Klopp (Sorbonne University)

Localization revisited

11:10 – 12:00 Hisashi Morioka (Ehime University)

Non-scattering energies for acoustic-type equations on manifolds with a single flat end

14:00 – 14:50 Fabricio Macià (Universidad Politécnica de Madrid)

Quasi-modes for the perturbed harmonic oscillator

15:20 – 16:10 Tadayoshi Adachi (Kyoto University)

On the Mourre estimates for three-body Floquet Hamiltonians

Organizers :

Fumihiko Nakano (Gakushuin University)
Naoyasu Kita (Kumamoto University)
Yoshihisa Nakamura (Kumamoto University)
Akihiro Shimomura (University of Tokyo)
Kenichi Ito (University of Tokyo)
Haruya Mizutani (Osaka University)
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