

RIMS Symposia (open)
Spectral and Scattering Theory and
Related Topics

November 29 - December 1, 2023
Room 420, RIMS, Kyoto University



Program

- Wednesday, November 29
 - 13:00 - 14:00 Yohei Tanaka (Gakushuin University)
Half-integer indices for one-dimensional gapless quantum walks
 - 14:20 - 15:20 Vincent Louatron (Ritsumeikan University)
Semiclassical resonances for matrix Schrödinger operators with vanishing interactions at crossings of classical trajectories
 - 15:40 - 16:40 Atshide Ishida (Tokyo University of Science)
On inverse scattering for time-decaying harmonic oscillators
- Thursday, November 30
 - 10:00 - 11:00 Koichi Kaizuka (Nippon Medical School)
Some remarks on the Dirac operator on symmetric spaces
 - 11:20 - 12:20 Kazunori Ando (Ehime University)
Inverse scattering on the metric graph for graphene
 - 14:20 - 15:20 Serge Richard (Nagoya University)
Scattering theory and an index theorem on the radial part of $SL(2, \mathbb{R})$
 - 15:20 Group Photo,
 - 15:50 - 16:50 Tomoyuki Kakehi (University of Tsukuba)
Snapshot problem for the wave equation
- Friday, December 1
 - 10:00 - 11:00 Yuta Nakagawa (Kyoto University)
Asymptotic behaviors of IDS for random Schrödinger operators associated with Gibbs point processes
 - 11:20 - 12:20 Sohei Ashida (Gakushuin University)
Lower bound of a quadratic form defined on a direct sum of Sobolev spaces of divided regions
 - 14:20 - 15:20 Kenichi Ito (University of Tokyo)
Stationary scattering theory for C^2 long-range potentials

– 15:40-16:40 Free Discussion

- URL <https://hcfio.github.io/events/RIMS2023/>
- Inquiry hc@trevally.net
- Organizers Hiroyuki Chihara (University of the Ryukyus), Setsuro Fujiié (Ritsumeikan University)
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