

Himeji Conference on Partial Differential Equations

Outline

Date: February 19 (Sat) – February 20 (Sun), 2011

Venue: EGRET HIMEJI 4F, Conference rooms 1,2.

Access: 15 minutes' walk from JR Himeji station,
just in front of Himeji castle (Otemae Park). [Map]

Program 2011

February 19 (Saturday)

10:00 – 10:50 SHIMAKURA, Norio (Professor Emeritus Tohoku University)

S^3 上の独立で可換な 2 個の 1 階偏微分作用素の組

[Lecture Note]

11:10 – 12:00 SCHMIDT, Karl Michael (Cardiff University)

Spectral Properties of Rotationally Symmetric Massless Dirac Operators

[Lecture Note]

14:00 – 14:50 WITTSTEN, Jens (Lund University)

Microlocal properties of the range of a pseudo-differential operator of principal type

[abstract] [Presentation]

15:30 – 16:20 GETMANENKO, Alexander (Institute for the Physics and Mathematics of the Universe)

Resurgent analysis of the Witten Laplacian in 1D

[abstract] [Reference1] [Reference2]

16:40 – 17:30 YAMADA, Osanobu (Ritsumeikan University)

Relativistic Hamiltonians with dilation analytic potentials diverging at infinity
(joint work with Ito, H.T.)

[abstract] [Presentation]

February 20 (Sunday)

10:00 – 10:50 CHANG, Der-Chen (Georgetown Univ.)

On heat kernels for a class of degenerate elliptic operators

[abstract] [Presentation] [Reference1] [Reference2]

11:10 – 12:00 SUGIMOTO, mitsuru (Nagoya University)

On some L^p -type estimates for evolution operators

[abstract] [Presentation]

14:00 – 14:50 NISHIYAMA, Hisashi (Osaka University)

A remark to the Schrödinger equation on Zoll manifolds

[Presentation]

15:30 – 16:20 NAGAYASU, Sei (University of Hyogo)

A gradient estimate for solutions to parabolic equations with discontinuous coefficients

coefficients

[abstract] [Presentation]

Organized by : C. Iwasaki, T. Umeda, S. Nagayasu and T. Hoshiro (University of Hyogo)
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