

Seminar on Analysis in Matsuyama 2024

Date January 26th, 2024 – January 27th, 2024

Place Seminar Room, 2nd Floor, 2nd Building, Faculty of Science, Ehime University.
2-5, bunkyo-cho, matsuyama, Ehime 790-8577 Japan.
Campus map (in Japanese)
https://www.ehime-u.ac.jp/wp-content/uploads/2022/02/2023_a4johoku.pdf

Program

Jan. 26th (Fri.)

- 10:00 ~ 10:50 Changhun Yang (Chungbuk National University)
The modified scattering for Dirac equations of scattering-critical nonlinearity
- 11:10 ~ 12:00 Chulkwang Kwak (Ewha Womans University)
Long-time dynamics of breather solutions for the fifth-order Gardner equation
- 14:00 ~ 14:50 Koichi Kaizuka (Nippon Medical School)
Some remarks on the Dirac operator on symmetric spaces
- 15:10 ~ 16:00 Kei Saito (Kanagawa University)
A connection between discrete Schrödinger equations and discrete-time quantum walks on graphs
- 16:20 ~ 17:10 Norisuke Ioku (Tohoku University)
Singular solutions for semilinear elliptic equations with exponential type nonlinearities in 2-d
- 17:10 ~ 18:30 Free discussion

Jan. 27th (Sat.)

- 10:00 ~ 10:50 Kentaro Kameoka (Ritsumeikan University)
Complex absorbing potential method for resonances of Stark Hamiltonians

- 11:10 ~ 12:00 Shota Fukushima (Inha University)
Surface vector field decompositions and elastic Neumann-Poincaré eigenvalues
- 14:00 ~ 14:50 Takuya Sato (Kumamoto University)
Long time behavior of solutions to dissipative nonlinear Schrödinger equations in the analytic class
- 15:10~16:00 Tatsuya Miura (Tokyo Institute of Technology)
Delta-convex structure of the singular set of distance functions
- 16:20 ~ 17:10 Yoshiyuki Kagei (Tokyo Institute of Technology)
Eckhaus instability of the compressible Taylor vortices
- 17:30 ~ 18:30 Free discussion

This workshop is partially supported by JSPS KAKENHI Grant Number JP21K18582 (Norisuke Ioku).