

Real Analysis

March 20th (Wed)

9:00–12:10

- 1 Shota Kojima (Rikkyo Univ.)[#] A generalization of e 10
- 2 Yukino Tomizawa (Chuo Univ.)[#] Lipschitz evolution operators in Banach spaces 15
Yoshikazu Kobayashi (Chuo Univ.)
Naoki Tanaka (Shizuoka Univ.)
- 3 Takesi Fukao (Kyoto Univ. of Edu.)[#] Characterization of the solution for evolution equations with time-
Nobuyuki Kenmochi (Bukkyo Univ.) dependent constraints 15
- 4 Toyohiko Aiki (Japan Women's Univ.)[#] On large time behavior of a solution to the concrete corrosion problem
Adrian Muntean (TU Eindhoven) in a sewer pipe 15
- 5 Ken Shirakawa (Chiba Univ.) Existence theorem for solutions to multidimensional phase-field models
Salvador Moll (Univ. Valencia) of grain boundaries 15
- 6 Noriaki Yamazaki (Kanagawa Univ.)[#] Necessary conditions for optimal control of positive solutions to second
Lingling Zhang (Taiyuan Univ. of Tech.) order impulsive differential equations 15
Chengbo Zhai (Shanxi Univ.)
- 7 Hiroki Ohwa (Niigata Univ.)^{*} On the wave-front tracking method for 2×2 hyperbolic systems of
conservation laws 15
- 8 Naoki Sato[#] On global solution of a one dimensional free boundary problem for
(Nagaoka Nat. Coll. of Tech.) adsorption phenomena 15
Toyohiko Aiki (Japan Women's Univ.)
Yusuke Murase (Meijo Univ.)
Ken Shirakawa (Chiba Univ.)
- 9 Motohiro Sobajima[#] On analytic C_0 -semigroups generated by generalized Ornstein–Uhlenbeck
(Tokyo Univ. of Sci.) operators in weighted L^p -spaces 15
Tomomi Yokota (Tokyo Univ. of Sci.)
- 10 Yutaka Tsuzuki (Tokyo Univ. of Sci.)[#] Solvability of nonlinear heat equations with unbounded obstacles cou-
Motohiro Sobajima pled with Navier–Stokes equations 15
(Tokyo Univ. of Sci.)
Tomomi Yokota (Tokyo Univ. of Sci.)
- 11 Akio Ito (Kinki Univ.)[#] Existence and uniqueness of non-negative time-global solutions to ODE
Kazuhiko Yamamoto (Kinki Univ.) system describing cardiomegaly 15
- 12 Risei Kano (Kochi Univ.)[#] The existence of weak solutions for tumor invasion models 15
Akio Ito (Kinki Univ.)

14:15–16:30

- 13 Kota Kumazaki[#] Large time behavior of a solution for carbon dioxide transport model
(Tomakomai Nat. Coll. of Tech.) in concrete carbonation process 15
- 14 Hiroshi Watanabe (Salasian Polytecnic)[#] A kinetic approach to strongly degenerate parabolic equations 15
- 15 Akio Ito (Kinki Univ.)[#] Solvability of mathematical modeling for Sake whose finish time depends
Nobuyuki Kenmochi (Bukkyo Univ.) on the solutions 15
Yusuke Murase (Meijo Univ.)

16	Takeshi Iida (Fukushima Nati. Coll. of Tech.)	# The inequalities on weighted Morrey spaces for Hardy–Littlewood maximal function and singular integrals	15
17	Gaku Sadasue (Osaka Kyoiku Univ.) Yoshihiro Sawano (Tokyo Metro. Univ.) Eiichi Nakai (Ibaraki Univ.)	# Generalized Morrey–Campanato spaces of martingales	15
18	Takahiro Noi (Chuo Univ.)	# Trace operators for Besov spaces with variable exponents	15
19	Katsuo Matsuoka (Nihon Univ.)	# On the boundedness for singular integrals in central Morrey spaces and λ -CMO spaces	15
20	Shinya Moritoh (Nara Women’s Univ.)	* Anisotropic versions of some analogues of Besov–Triebel–Lizorkin spaces	15

16:45–17:45 Talk invited by Real Analysis Section

Giorgio Metafune (Salento Univ.)	# Spectral properties of second order operators with unbounded coefficients in $\mathbb{R}^d$
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March 21st (Thu)

9:00–11:55

21	Enji Sato (Yamagata Univ.) Takashi Izumi (Yamagata Univ.)	# Fourier multipliers from L^p spaces to Morrey spaces on the unit circle	15
22	Nobusumi Sagara (Hosei Univ.) Mohammed Ali Khan (Johns Hopkins Univ.)	# Maharam-types and Lyapunov’s theorem for vector measures on Banach spaces	15
23	Toshiharu Kawasaki (Nihon Univ.)	# Approximately derivative in a vector lattice	15
24	Toshikazu Watanabe (Nihon Univ.) Tamaki Tanaka (Niigata Univ.)	# On Riesz space-valued non-additive measures	15
25	Fumiaki Kohsaka (Oita Univ.)	# Nonexistence of fixed points and unbounded sets	15
26	Kichi-Suke Saito (Niigata Univ.) Ryotaro Tanaka (Niigata Univ.) Naoto Komuro (Hokkaido Univ. of Edu.)	# Beckner’s inequality and its application to Banach spaces	10
27	Ryotaro Tanaka (Niigata Univ.) Kichi-Suke Saito (Niigata Univ.)	# A structure of finite dimensional normed linear spaces	15
28	Hiroyasu Mizuguchi (Niigata Univ.) Kichi-Suke Saito (Niigata Univ.) Ryotaro Tanaka (Niigata Univ.)	# On the calculation method of the Dunkl–Williams constant of normed spaces	15
29	Koji Aoyama (Chiba Univ.)	# Existence of fixed points of firmly nonexpansive-like mappings in Banach spaces	15
30	Aoi Honda (Kyushu Inst. of Tech.) Yoshiaki Okazaki (Kyushu Inst. of Tech.) Hiroshi Sato (Kyushu Univ.)*	# Inner and outer approximation spaces of $\Lambda_2(f)$ and ℓ_p	15
31	Sachiko Atsushiba (Univ. of Yamanashi)	# Attractive point and convergence theorems for nonlinear mappings	15

12:55–13:25

32 Takayuki Tamura (Chiba Univ.)[#] On direct sums of Banach spaces with a strictly monotone norm 15
 Mikio Kato (Shinshu Univ.)

33 Yasuji Takahashi (Okayama Pref. Univ.)^{*} Some results on von Neumann–Jordan type constants of a Banach space
 Mikio Kato (Shinshu Univ.) 15

13:40–14:40 Talk invited by Real Analysis Section

Tsuyoshi Yoneda (Hokkaido Univ.)[#] Fourier analysis and rotating Navier–Stokes equations