

実函数論

9月24日(火)

9:00~12:05

- 1 高 阪 史 明 (大 分 大 工) # 二変数関数の鞍点と非線形写像の不動点 15
 Fumiaki Kohsaka (Oita Univ.) # Saddle points of two variable functions and fixed points of nonlinear mappings
- 2 田 中 亮 太 朗 (新 潟 大 自 然) # 有限次元ノルム空間における正規直交基底について 10
 斎 藤 吉 助 (新 潟 大 理)
 Ryotaro Tanaka (Niigata Univ.) # Orthonormal bases for finite dimensional normed linear spaces
 Kichi-Suke Saito (Niigata Univ.)
- 3 田 中 亮 太 朗 (新 潟 大 自 然) # 有限次元空間のノルム構造について 15
 斎 藤 吉 助 (新 潟 大 理)
 Ryotaro Tanaka (Niigata Univ.) # The norm structure of finite dimensional spaces
 Kichi-Suke Saito (Niigata Univ.)
- 4 木 村 泰 紀 (東 邦 大 理) # 誤差を含んだ収縮射影法による近似点列の収束性 15
 Yasunori Kimura (Toho Univ.) # Convergence of approximate sequences generated by the shrinking projection method with errors
- 5 厚 芝 幸 子 (山 梨 大 教 育 人 間) # Attractive point and convergence theorems for families of nonlinear mappings 15
 Sachiko Atsushiba # Attractive point and convergence theorems for families of nonlinear mappings
 (Univ. of Yamanashi)
- 6 高 橋 泰 嗣 (岡 山 県 立 大*) * On a new geometric constant of a Banach space 15
 加 藤 幹 雄 (信 州 大 工)
 Yasuji Takahashi * On a new geometric constant of a Banach space
 (Okayama Pref. Univ.*)
 Mikio Kato (Shinshu Univ.)
- 7 岡 康 之 (釧 路 工 高 専) # The Schwartz kernel theorem for the tempered distributions on the Heisenberg group 15
 Yasuyuki Oka # The Schwartz kernel theorem for the tempered distributions on the Heisenberg group
 (Kushiro Nat. Coll. of Tech.)
- 8 町 原 秀 二 (埼 玉 大 教 育) # Logarithmic Hardy inequalities on Sobolev–Lorentz–Zygmund spaces in the limiting case 20
 小 澤 徹 (早 大 理 工)
 和 田 出 秀 光 (岐 阜 大 教 育)
 Machihara Shuji (Saitama Univ.) # Logarithmic Hardy inequalities on Sobolev–Lorentz–Zygmund spaces in the limiting case
 Tohru Ozawa (Waseda Univ.)
 Hidemitsu Wadade (Gifu Univ.)
- 9 山 本 隆 範 (北 海 学 園 大 工) * Normal singular integral operators with Cauchy kernel on L^2 15
 中 路 貴 彦 (北 星 学 園 大 経 済)
 Takanori Yamamoto * Normal singular integral operators with Cauchy kernel on L^2
 (Hokkai-Gakuen Univ.)
 Takahiko Nakazi
 (Hokusei Gakuen Univ.)
- 10 渡 辺 俊 一 (新 潟 大 自 然) # 非加法的測度の正則性についての一注意 15

- Toshikazu Watanabe (Niigata Univ.)# Note on the regularity of non-additive measure
- 11 河邊 淳 (信州大工)# 非線形汎関数のショケ積分表示問題 15
Jun Kawabe (Shinshu Univ.)# The Choquet integral representation problem
- 14:20~16:15**
- 12 貞末 岳 (大阪教育大数学教育)# Pointwise multipliers on martingale Campanato spaces 15
中井 英一 (茨城大理)
Gaku Sadasue (Osaka Kyoiku Univ.)# Pointwise multipliers on martingale Campanato spaces
Eiichi Nakai (Ibaraki Univ.)
- 13 貞末 岳 (大阪教育大数学教育)# Maximal function on generalized martingale Lebesgue spaces with variable exponent 10
中井 英一 (茨城大理)
Gaku Sadasue (Osaka Kyoiku Univ.)# Maximal function on generalized martingale Lebesgue spaces with variable exponent
Eiichi Nakai (Ibaraki Univ.)
- 14 本田 あおい (九工大情報工)# 数列空間 $\Lambda_2(f)$ の線形性と doubling dimension 15
岡崎 悦明 (九工大情報工)
佐藤 坦 (九大*)
Aoi Honda (Kyushu Inst. of Tech.)# Doubling dimension and Linearity of the sequence space $\Lambda_2(f)$
Yoshiaki Okazaki (Kyushu Inst. of Tech.)
Hiroshi Sato (Kyushu Univ.*)
- 15 澤野 嘉宏 (首都大東京理工)# A remark on Morrey spaces for metric measure spaces 10
下村 哲 (広島大教育)
Yoshihiro Sawano (Tokyo Metro. Univ.)# A remark on Morrey spaces for metric measure spaces
Tetsu Shimomura (Hiroshima Univ.)
- 16 松岡 勝男 (日大経済)# On the boundedness for commutators in B_σ -Morrey spaces 15
Katsuo Matsuoka (Nihon Univ.)# On the boundedness for commutators in B_σ -Morrey spaces
- 17 齋藤 洋樹 (首都大東京理工)# Directional maximal operators and radial weights on the plane 10
田中 仁 (東大数理)
Hiroyuki Saito (Tokyo Metro. Univ.)# Directional maximal operators and radial weights on the plane
Hitoshi Tanaka (Univ. of Tokyo)
- 18 田中 仁 (東大数理)# A characterization of two-weight trace inequalities for positive dyadic operators in the upper triangle case 15
Hitoshi Tanaka (Univ. of Tokyo)# A characterization of two-weight trace inequalities for positive dyadic operators in the upper triangle case
- 19 勘 甚裕一 (金沢大自然)# 非負のフーリエ係数を持つ直交関数展開について 15
Yuichi Kanjin (Kanazawa Univ.)# On orthogonal polynomial expansions with nonnegative Fourier coefficients
- 16:30~17:30 特別講演**
- 森藤 紳哉 (奈良女大理)* Microlocal Besov spaces and dominating mixed smoothness
Shinya Moritoh (Nara Women's Univ.)* Microlocal Besov spaces and dominating mixed smoothness

9月25日(水)

9:00~11:55

- 20 伊藤昭夫(近畿大工)‡ 心肥大を記述する常微分方程式系に対する非負値時間大域解の時間無限
山本和彦(近畿大工) 大での漸近挙動 15
Akio Ito (Kinki Univ.)‡ Large-time behavior of non-negative time-global solutions to ODE system describing cardiac hypertrophy
Kazuhiko Yamamoto (Kinki Univ.)
- 21 熊崎耕太(苫小牧工高専)‡ コンクリート中性化過程における二酸化炭素輸送モデルの解の時間大域的挙動について 15
Kota Kumazaki ‡ Large time behavior of a solution for carbon dioxide transport model in concrete carbonation process
(Tomakomai Nat. Coll. of Tech.)
- 22 深尾武史(京都教育大教育)‡ Application to nonlinear PDE of the abstract theory of variational inequality 15
剣持信幸(佛教大教育) 劍持信幸(佛教大教育)
Takesi Fukao (Kyoto Univ. of Edu.)‡ Application to nonlinear PDE of the abstract theory of variational inequality
Nobuyuki Kenmochi (Bukkyo Univ.)
- 23 都築 寛(東京理大理)‡ Solvability of p -Laplace heat equations with unbounded obstacles coupled with Navier–Stokes equations 15
Yutaka Tsuzuki (Tokyo Univ. of Sci.)‡ Solvability of p -Laplace heat equations with unbounded obstacles coupled with Navier–Stokes equations
- 24 内田 俊(早大先進理工)‡ The solvability of double-diffusive convection system coupled with Brinkman–
大谷光春(早大理工) Forchheimer equations under the Neumann boundary condition 15
Shun Uchida (Waseda Univ.)‡ The solvability of double-diffusive convection system coupled with Brinkman–
Mitsuharu Ôtani (Waseda Univ.) Forchheimer equations under the Neumann boundary condition
- 25 白川 健(千葉大教育)‡ 結晶粒界現象の放物型フェーズ・フィールドモデルにおける平滑化効果
渡邊 紘(サレジオ工高専) とエネルギー消散性 15
S. Moll (Univ. Valencia)
Ken Shirakawa (Chiba Univ.)‡ Smoothing effects and energy dissipations for parabolic systems associated with grain boundary motions
Hiroshi Watanabe (Salesian Polytech.)
Jose Salvador Moll (Univ. Valencia)
- 26 渡邊 紘(サレジオ工高専)‡ 結晶粒界現象を記述する退化性を伴う1次元数学モデルに対する定性的
白川 健(千葉大教育) 性質 15
Hiroshi Watanabe (Salesian Polytech.)‡ Qualitative properties for a one dimensional grain boundary motion
Ken Shirakawa (Chiba Univ.) model with degeneracy
- 27 山崎教昭(神奈川大工)‡ Control problems of phase field systems associated with total variation
白川 健(千葉大教育) energy 15
Noriaki Yamazaki (Kanagawa Univ.)‡ Control problems of phase field systems associated with total variation
Ken Shirakawa (Chiba Univ.) energy
- 28 中村 誠(山形大理)* The Cauchy problem for nonlinear Klein–Gordon equations in de Sitter
spacetime 10
Makoto Nakamura (Yamagata Univ.)* The Cauchy problem for nonlinear Klein–Gordon equations in de Sitter
spacetime
- 29 中村 誠(山形大理)* Remarks on a weighted energy estimate and its application to nonlinear
wave equations in one space dimension 10
Makoto Nakamura (Yamagata Univ.)* Remarks on a weighted energy estimate and its application to nonlinear
wave equations in one space dimension

4 実函数論

- 30 伊東由文(徳島大*)# L^2_{loc} 関数のフーリエ変換とその応用 8
 Yoshifumi Ito (Univ. of Tokushima*)# Fourier transformation of L^2_{loc} -functions and its applications
- 31 伊東由文(徳島大*)# 衝撃力とは何か 7
 Yoshifumi Ito (Univ. of Tokushima*)# What is the impact force?

13:00~13:15

- 32 伊東由文(徳島大*)# 無限に深いポテンシャル井戸の現象の自然統計物理学的研究 8
 Yoshifumi Ito (Univ. of Tokushima*)# The study on the phenomena of infinitely deep potential well in the view point of the natural statistical physics
- 33 伊東由文(徳島大*)# 自由粒子系の自然統計物理学的研究 7
 Yoshifumi Ito (Univ. of Tokushima*)# The study on the motion of the system of free particles in the view point of the natural statistical physics

13:20~14:20 特別講演

- 加納理成(高知大教育)# ある癌浸潤モデルの解の存在とその性質について
 Risei Kano (Kochi Univ.)# The existence of solutions for the tumor invasion models