



RIMS 共同研究 (公開型) RIMS Symposia (Open)

モデル理論における独立概念と次元の研究

Model theoretic aspects of the notion of independence and dimension

2021 年 12 月 13 日 (月)~12 月 15 日 (水) (December 13–15, 2021)

場所/Venue: Online

研究代表者: 桔梗宏孝 (神戸大学)

Organiser: Hirotaka Kikyo (Kobe)

Program

Monday Afternoon, December 13, 2021 Chair: Hirotaka Kikyo

- 1:50–2:00 pm Opening Remarks
- 2:00–2:20 pm Masato Fujita (Japan Coast Guard Academy),
Tomohiro Kawakami (Wakayama), and Wataru Komine (Tsukuba)
Pseudo definable spaces
- 2:30–3:10 pm Masato Fujita (Japan Coast Guard Academy)
Definable $\mathcal{C}^r$ sheaf on o-minimal spectrum
- 3:20–4:00 pm Junguk Lee (KAIST)
The AKE principle meets Classification Theory
- 4:10–4:50 pm Akito Tsuboi (Tsukuba)
Keisler's Isomorphism Theorem, CH and Instability

Tuesday Morning, December 14, 2021 Chair: Byunghan Kim

- 9:00–9:40 am John Goodrick (los Andes)
Definable sets in dp-minimal ordered abelian groups
- 9:50–10:30 am Koichiro Ikeda (Hosei)
Imaginaries in generic structures
- 10:40–11:20 am Ikuo Yoneda (NIT, Tokuyama)
On two definitions of weak elimination of imaginaries
- 11:30–12:10 am Hirotaka Kikyo (Kobe)
Some remarks on groups definable in certain generic structures
- (Lunch Break)

Tuesday Afternoon, December 14, 2021 Chair: Koichiro Ikeda

- 1:40–2:20 pm JinHoo Ahn (KIAS)
Adding linear orders on NATP theories
- 2:30–3:10 pm Joonhee Kim
Kim-forking and Kim-dividing in NATP theories
- 3:20–4:00 pm Kota Takeuchi (Tsukuba)
On model companions of some classes of groups
- 4:10–4:50 pm Daniel Max Hoffmann (Warsaw)
Independence vs rank

Wednesday Morning, December 15, 2021 Chair: Kota Takeuchi

- 9:00–9:40 am Alexis Chevalier (Oxford)
Local Stable Independence in Piecewise Interpretable Hilbert Spaces
- 9:50–10:30 am Hyoyoon Lee (Yonsei)
Shelah-strong type and algebraic closure over a hyperimaginary
- 10:40–11:10 am Kenji Fukuzaki (I.U. Kagoshima)
On Pop's conjecture
- 11:20–11:50 am Keishi Okamoto (NIT, Sendai)
Supporting the resolution of inconsistencies in specifications based on mathematical argumentation theory
- 12:00–12:30 pm Hisatomo Maesono (Waseda)
Some remarks on locally o-minimal structures