

Foundation of Mathematics and History of Mathematics

September 26th (Thu)

9:30–10:55

- 1 Shigeru Masuda (Kyoto Univ.)[#] The Kepler problems affected the Schrödinger equations 20
- 2 Shigeru Masuda (Kyoto Univ.)[#] The Fourier's heat communication theory and Boltzmann's gas transport equations 20
- 3 Shotaro Tanaka * Representation of fractional functions using power series 3 20
- 4 Hideyuki Majima (Ochanomizu Univ.)[#] When did Takebe Katahiro verify the calculation of Pi by Seki Takakazu? 20

11:00–12:00 Mathematics History Team Meeting

14:15–15:15 Talk invited by Section on Foundation and History of Mathematics

Tatsuhiko Kobayashi (Yokkaichi Univ.)[#] Takakazu Seki, Katahiro Takebe, and Genkei Nakane

15:25–16:50

- 5 Toshio Suzuki (Tokyo Metro. Univ.)[#] Street pattern complexity based on affine compressibility 15
Yuji Hatakeyama (GREE, Inc.)
- 6 Akitoshi Kawamura (Univ. of Tokyo)[#] Polynomial-time randomness and differentiability 15
Kenshi Miyabe (Univ. of Tokyo)
- 7 Toshihiko Kurata (Hosei Univ.)[#] Sheaf-theoretical representation of concrete domains 15
- 8 Ryo Kashima (Tokyo Tech)[#] On axiomatizations of subsystems of the full computation tree logic
Shu Iwanami (Tokyo Tech) CTL* 15
- 9 Nobu-Yuki Suzuki (Shizuoka Univ.)[#] The Prawitz–Doorman term existence property in intermediate predicate logics 20

September 27th (Fri)

10:00–11:25

- 10 Takashi Oyabu Fundamental thoughts 5
- 11 Makoto Kikuchi (Kobe Univ.)[#] On proofs of the incompleteness theorem based on liar-type inconsistency
Taishi Kurahashi (Kobe Univ.) 10
- 12 Taishi Kurahashi (Kobe Univ.)[#] Formalizations of Yablo's paradox using Rosser's provability predicates 15
- 13 Yoshihiro Horihata[#] Theories of concatenation and weak essentially undecidable theories
(Yonago Nat. Coll. of Tech.) 10
Kojiro Higuchi (Chiba Univ.)
- 14 Yoshihiro Abe (Kanagawa Univ.)[#] Unbounded sets of $\mathcal{P}_\kappa \lambda$ with cardinality $< \lambda^{<\kappa}$ 15
- 15 Teruyuki Yorioka (Shizuoka Univ.)[#] A comment on Asperó–Mota iteration 15
- 16 Yu-ichi Tanaka (Univ. of Tsukuba)[#] A new method for constructing real closed fields 10
Akito Tsuboi (Univ. of Tsukuba)

11:30–12:00 Research Section Assembly

14:15–15:15 Talk invited by Section on Foundation and History of Mathematics

Koichiro Ikeda (Hosei Univ.)[#] On generic structures