

Foundation of Mathematics and History of Mathematics

September 20th (Thu) Session Room VII

9:00–11:20

- 1 Shigeru Masuda (Kyoto Univ.)[#] Traditional diversion of real to imaginary since Euler, and innovative strictness by Poisson's sense 20
- 2 Shigeru Masuda (Kyoto Univ.)[#] Proofs and applications relating to describability of an arbitrary function by trigonometric series in the 19C 20
- 3 Teruaki Asai (Nara Univ. of Edu.)^{*} On the $2/n$ table of the Rhind Mathematical Papyrus 10
- 4 Shunji Horiguchi [#] The surveyings of Gonemon Higuchi and his pupils 15
(Niigata Sangyo Univ.)
- 5 Shunji Horiguchi [#] The mariner's compass of Seizaemon Kanazawa and that of Yoemon
(Niigata Sangyo Univ.) Shizuno 15
- 6 Hideyuki Majima (Ochanomizu Univ.)[#] On the determinat by SEKI Takakazu in "Sangaku-genkun" 30

11:25–12:25 Mathematics History Team Meeting

14:15–17:05

- 7 Tsukane Ogawa (Yokkaichi Univ.)[#] Geometry studied in the Shisei-Sanka School 25
- 8 Shotaro Tanaka ^{*} Representation of fractional function in power series —De Moivre, L. Euler, G. H. Hardy, Y. Wada, M. Fujiwara— 20
- 9 Toshimichi Usuba (Nagoya Univ.)[#] Large cardinals and indestructibly Lindeöf spaces 15
- 10 Takahiro Seki (Niigata Univ.)[#] On relations among double negation translations in substructural logics 15
- 11 Takayuki Kihara (JAIST)[#] Strong measure zero sets in computability theory I —Lightface Π_1^0 sets
Kojiro Higuchi (Tohoku Univ.) and the perfect set property— 15
- 12 Takayuki Kihara (JAIST)[#] Strong measure zero sets in computability theory II —Kolmogorov complexity and triviality— 20
Kenshi Miyabe (Kyoto Univ.)
- 13 Toshio Suzuki (Tokyo Metro. Univ.)[#] The eigen distribution of an AND-OR tree under directional algorithms
Ryota Nakamura (Tokyo Metro. Univ.) 15
- 14 Toshio Suzuki (Tokyo Metro. Univ.)[#] Resource-bounded randomness and computable Dowd-type generic sets
Masahiro Kumabe
(Open Univ. of Japan) 15

September 21st (Fri) Session Room VII

9:00–11:40

- 15 Yoshihiro Abe (Kanagawa Univ.)[#] Restricted structural properties of ideals on $\mathcal{P}_\kappa\lambda$ and weak normality 15
- 16 Tatsuya Shimura (Nihon Univ.)[#] Admissible rules for one variable formulas and disjunction property .. 15
- 17 Katsumi Sasaki (Nanzan Univ.)[#] The exact model constructed from normal forms in normal modal logics containing **K4** 10

18	Keita Yokoyama (Tokyo Tech)‡	Ramsey’s theorem without Σ_1 -induction	10
19	Keita Yokoyama (Tokyo Tech)‡	Some versions of Friedman’s self-embedding theorem	10
20	Keita Yokoyama (Tokyo Tech)‡	A generalization of Schnorr’s theorem	10
21	Kenji Fukuzaki (Int. Univ. of Kagoshima)	* Definability of the ring of integers in some infinite algebraic extensions of the rationals	15
22	Yoshihito Tanaka (Kyushu Sangyo Univ.) Agi Kurucz (King’s Coll. London) Frank Wolter (Univ. of Liverpool) Michael Zakharyashev (Birkbeck Coll. London)	‡ Conservativity of Boolean algebras with operators over semilattices with operators	15
23	Hiroaki Minami Michael Hrušák (Univ. Nacional Autónoma de México)	‡ Mathias–Prikry forcing and dominating reals	15
24	Hiroataka Kikyo (Kobe Univ.)‡	On small superstable generic structures	15

11:45–12:15 Research Section Assembly

13:20–14:20 Invited Talk by Research Section

Kenshi Miyabe (Kyoto Univ.)‡ Natural properties that a randomness notion should have
