

# Foundation of Mathematics and History of Mathematics

March 15th (Sat) Conference Room III

## 09:30–11:30

- 01-01-0001  
1 Shigeru Masuda (Kyoto Univ.)<sup>#</sup> The Sturm–Liouville type problem in the modeling of the Schrödinger equations ..... 20
- 01-01-0002  
2 Shigeru Masuda (Kyoto Univ.)<sup>#</sup> The earlier toil and moil in proving on the describability of trigonometric series ..... 20
- 01-01-0014  
3 Michiyo Nakane <sup>#</sup> Examination of the Stark effect and development of the Hamilton–Jacobi theory in early 20th century ..... 20
- 01-01-0021  
4 Hideyuki Majima (Ochanomizu Univ.) On the problem in the appendix of the “Tetsujutsu-Sankei (Mathematical Treatise on the Technique of Linkage)” ..... 30
- 01-99-0001  
5 Shotaro Tanaka <sup>\*</sup> Laurent expansion —Cauchy’s integral formulae and Y. Wada’s theorems ..... 20

## 11:30–12:00 Mathematics History Team Meeting

## 14:15–17:00

- 01-01-0008  
6 Takahiro Seki (Niigata Univ.)<sup>#</sup> A Gentzen-style formulation for non-associative substructural logics II ..... 15
- 01-01-0013  
7 Katsumi Sasaki (Nanzan Univ.)<sup>#</sup> The exact **K4**-models in **S4** ..... 15
- 01-01-0010  
8 Ken-etsu Fujita (Gunma Univ.)<sup>#</sup> Intermediate lambda-terms between Church and Curry ..... 15  
Aleksy Schubert (Univ. of Warsaw)
- 01-01-0020  
9 Taishi Kurahashi (Kobe Univ.)<sup>#</sup> On Henkin sentences based on Rosser provability predicates ..... 15
- 01-01-0018  
10 Satoru Kuroda (群馬県立女大文)<sup>#</sup> On minimal three-sort theories for PSPACE and EXPTIME ..... 20
- 01-01-0019  
11 Keita Yokoyama (JAIST)<sup>#</sup> Finite iterations of infinite and finite Ramsey’s theorem ..... 20
- 01-01-0017  
12 Takayuki Kihara (JAIST)<sup>#</sup> Algorithmic randomness and null-additivity ..... 15  
Kenshi Miyabe (Univ. of Tokyo)
- 01-01-0007  
13 Kenshi Miyabe (Univ. of Tokyo/JSPS)<sup>#</sup> Characterization of being a Lebesgue point for integral tests ..... 20
- 01-01-0011  
14 Akitoshi Kawamura (Univ. of Tokyo)<sup>#</sup> Distance trisector curves via the contraction mapping theorem ..... 15

March 16th (Sun) Conference Room III

## 09:30–11:40

- 01-99-0002  
15 Takashi Oyabu Mathematics an thermodynamics, and other 17 talks ..... 5
- 01-01-0016  
16 Koichiro Ikeda (Hosei Univ.)<sup>#</sup> Model complete generic structures I ..... 15  
Hirotaka Kikyo (Kobe Univ.)
- 01-01-0015  
17 Hirotaka Kikyo (Kobe Univ.)<sup>#</sup> Model complete generic structures II ..... 15  
Koichiro Ikeda (Hosei Univ.)
- 01-01-0012  
18 Masanao Ozawa (Nagoya Univ.)<sup>#</sup> Maximal beable subuniverse of quantum set theory ..... 30

01-01-0006

19 Teruyuki Yorioka (Shizuoka Univ.)<sup>#</sup> New preservation theorems for forcings with models as side conditions  
..... 15

01-01-0009

20 Sakaé Fuchino (Kobe Univ.)<sup>#</sup> Rado's conjecture and reflection principles compatible with MM ..... 40

**11:40–12:10 Research Section Assembly**

**13:10–14:10 Talk invited by Section on Foundation and History of Mathematics**

01-02-0001

Yasushi Hirata (Kanagawa Univ.)<sup>#</sup> Comparing some topological properties of ordinals, LOTS', monotonically normal spaces, and their products