Algebra

September 18th (Tue)   Session Room I

9:00–12:00

1   Yukio Ohkubo   ♯   Distribution of the first digits of prime numbers · · · · · · · · · · · · · · · · · · · 10
        (Int. Univ. of Kagoshima)

2   Yoshifumi Tsuchimoto (Kochi Univ.) *   On splitting behaviors of polynomials at primes · · · · · · · · · · · · · · · · · · 15
    Hajime Kuroiwa (Kochi Univ.)
    Tatsuya Itagaki (Kochi Univ.)
    Yuusuke Watou   (Kochi Univ.)

3   Kenichi Shimizu   *   Prime values of quadratic polynomials and imaginary quadratic fields
                                                        · 10

4   Soichi Ikeda   (Nagoya Univ.) *   On transcendental numbers generated by certain integer sequences · · · 10
    Kaneaki Matsuoka (Nagoya Univ.)

5   Kazuhito Kozuka   *   Knopp type identities for generalized multiple Dedekind type sums at-
    (Miyakonojo Nat. Coll. of Tech.)   tached to matrices and Dirichlet characters · 10

6   Yoshinori Hamahata   ♯   Continued fractions and Dedekind sums for function fields · · · · · · · · · · 10
        (Ritsumeikan Univ.)

7   Masanori Katsurada (Keio Univ.)♯   Shintani zeta-functions of several variables and Lauricella hypergeomet-
                                                        ric functions II · 10

8   Tomoya Machide (Kinki Univ.)♯   On a parameterized sum formula for triple zeta values · · · · · · · · · · · · · 10

9   Tomoya Machide (Kinki Univ.)♯   On a relation between multiple zeta values and the gamma function
                                                        · 10

10 Yoshio Tanigawa (Nagoya Univ.) *   On relations among Dirichlet and multiple L-values mod 4 · · · · · · · · · · 10
    Jun Furuya
        (Okinawa Nat. Coll. of Tech.)
    Makoto Minamide
        (Kyoto Sangyo Univ.)

11 Ick Sun Eum   (KAIST)♯   Some applications of modular units · 15
    Ja Kyung Koo   (KAIST)
    Dong Hwa Shin
    (Hankuk Univ. of Foreign Studies)

12 Yuichi Sakai   (Kyushu Univ.) *   The Ramanujan–Serre differential operators and certain elliptic curves
    Masanobu Kaneko (Kyushu Univ.)   · 10

13 Tomoyoshi Ibukiyama (Osaka Univ.)♯   A lift to vector valued Siegel modular forms of half integral weight and
                                                        Shimura type conjecture revisited · 10

14 Toshiyuki Kikuta (Osaka Inst. of Tech.) *   On Ramanujan type congruences for modular forms with several vari-
    Shoyu Nagaoka   (Kinki Univ.)   ables · 10

15 Shoyu Nagaoka   (Kinki Univ.) *   On p-adic properties of Siegel modular forms · 10
    Siegfried Böcherer
    (Univ. Manheim / Univ. of Tokyo)

14:15–16:15

16 Daisuke Shiomi (Tokyo Univ. of Sci.) * On the Hasse–Witt invariants of the maximal real subfields of cyclotomic function fields $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

17 Hizuru Yamagishi (Tokyo Denki Univ.) ♯ On hyperelliptic curves of Chebyshev type $\cdots\cdots\cdots\cdots\cdots\cdots$ 15

18 Shinnya Okumura (Kyushu Univ.) ♯ On the number of $\mathbb{F}_p$-valued points of elliptic curves $\cdots\cdots\cdots\cdots$ 15

19 Yuki Kato (Tohoku Gakuin Univ.) * The isomorphism between motivic cohomology and K-groups for equi-characteristic regular local rings $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

20 Yoshiyasu Ozeki (Kyoto Univ.) ♯ Full faithfulness theorem for torsion crystalline representations $\cdots\cdots$ 10

21 Manabu Yoshida (Kyushu Univ.) ♯ A refinement of the local class field theory of Serre and Hazewinkel $\cdots$ 10

22 Yuto Takahashi (Nagoya Univ.) ♯ Infiniteness of class field towers degrees of extensions of which are restricted to products of 2 and 3 $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

23 Mitsul Tohkailin (Kinki Univ.) ♯ A characterization of some number fields of infinite degree using absolute
    Manabu Ozaki (Waseda Univ.)   Galois groups $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

24 Teruhisa Kadokami   ♯ Iwasawa invariants of cyclic branched covers of links $\cdots\cdots\cdots\cdots$ 10
        (East China Norm. Univ.)
    Yasushi Mizusawa
        (Nagoya Inst. of Tech.)

16:30–17:30   Invited Talk by Research Section

Yoichi Mieda   (Kyoto Univ.) ♯ Toward generalization of the non-abelian Lubin–Tate theory

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September 19th (Wed)   Session Room I

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9:00–12:00

25 Akinari Hoshi   (Rikkyo Univ.) ♯ Noether's problem and unramified Brauer groups $\cdots\cdots\cdots\cdots\cdots$ 10
    Ming-chang Kang (Nat. Taiwan Univ.)
    Boris E. Kunyavskii (Bar-Ilan Univ.)

26 Aiichi Yamasaki (Kyoto Univ.) ♯ Table of conjugacy classes of finite groups in $GL(5, \mathbb{Z})$, $GL(6, \mathbb{Z})$ and some calculations on elliptic curves $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

27 Akinari Hoshi   (Rikkyo Univ.) Rationality problem for algebraic tori $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
    Aiichi Yamasaki (Kyoto Univ.)

28 Yasushi Gomi   (Sophia Univ.) ♯ q-analogue of Gauss sums on the symmetric groups $\cdots\cdots\cdots\cdots\cdots$ 10

29 Tomoyuki Arakawa (Kyoto Univ.) ♯ Zhu's algebra and C_2-algebra of parafermion vertex operator algebras
    Ching Hung Lam (Academia Sinica) $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
    Hiromichi Yamada (Hitotsubashi Univ.)

30 Kenichi Shimizu (Nagoya Univ.) ♯ Real representations of Hopf $*$-algebras $\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 20

31 Masao Kiyota (Tokyo Med. Dent. Univ.) * The heights of irreducible Brauer characters in 2-blocks of the symmetric
    Tetsuro Okuyama   groups $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
        (Hokkaido Univ. of Edu.)
    Tomoyuki Wada
    (Tokyo Univ. of Agri. and Tech.)

3   Algebra

32 Seok-Jin Kang (Seoul Nat. Univ.)[♯]   Geometric realization of Khovanov–Lauda–Rouquier algebras associ-
    Masaki Kashiwara   ated with Borcherds–Cartan data $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
    (Kyoto Univ./Seoul Nat. Univ.)
    Euiyong Park (Seoul Nat. Univ.)

33 Myungho Kim   (KIAS)[♯]   Khovanov–Lauda–Rouquier algebras and R-matrices $\cdots\cdots\cdots\cdots$ 15
    Seok-Jin Kang (Seoul Nat. Univ.)
    Masaki Kashiwara
    (Kyoto Univ./Seoul Nat. Univ.)

34 Masahide Konishi (Nagoya Univ.)[♯]   Level 1 cyclotomic KLR algebras of cyclic quivers $\cdots\cdots\cdots\cdots\cdots$ 10

35 Sei-Qwon Oh (Chungnam Nat. Univ.)[♯]   Poisson brackets and Poisson spectra in polynomial algebras $\cdots\cdots\cdots$ 15

September 20th (Thu)   Session Room I

10:00–11:30

36 Manabu Matsuoka   [*]   Polynomial realization of sequential codes $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
    (Kuwana-Kita High School)

37 Yasuyuki Hirano   [♯]   On rings with primitive idempotents $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
    (Naruto Univ. of Edu.)

38 Satoshi Yamanaka (Okayama Univ.)[♯]   On Galois polynomials of degree p in skew polynomial rings of derivation
    Shûichi Ikehata (Okayama Univ.)   type $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

39 Akira Ueda   (Shimane Univ.)[*]   Skew Rees rings which are maximal orders $\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
    Monika Rianti Helmi (Andalas Univ.)
    Hidetoshi Marubayashi
    (Tokushima Bunri Univ.)

40 Takao Sumiyama (Aichi Inst. of Tech.)   On Szele matrices of finite rings $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

41 Tsunekazu Nishinaka   [♯]   On primitivity of group rings of one-relator groups $\cdots\cdots\cdots\cdots\cdots$ 10
    (Okayama Shoka Univ.)

42 Kazutoshi Koike   [♯]   Morita duality and finite ring extensions $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
    (Okinawa Nat. Coll. of Tech.)

43 Hiroaki Komatsu   [*]   A characterization of separable algebras by generalized derivations $\cdots$ 10
    (Okayama Pref. Univ.)

11:30–12:00   Research Section Assembly

14:15–16:45

44 Ryo Akiyama (Shizuoka Univ.)[♯]   3-iterated quadratic Ore extensions $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

45 Kenta Ueyama (Shizuoka Univ.)[♯]   Fixed subalgebras of AS-regular algebras under finite cyclic group ac-
    tions $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

46 Yasuhiko Takehana   [♯]   A generalization of stable torsion theory $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
    (Hakodate Nat. Coll. of Tech.)

47 Hideto Asashiba (Shizuoka Univ.)[♯]   Derived equivalence classification of generalized multifold extensions of
    Mayumi Kimura (Shizuoka Univ.)   piecewise hereditary algebras of tree type $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

48 Hideto Asashiba (Shizuoka Univ.)[♯]   Induced pseudofunctors and derived equivalences of oplax 2-representations
    of a category $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

49   Hiroki Abe (Oyama Nat. Coll. of Tech.) ♯   Tilting modules arising from two-term tilting complexes · · · · · · · · · · · · 10

50   Masahide Konishi (Nagoya Univ.) ♯   Selfinjectivity of algebras arising from tiling quivers and their potentials
· 10

51   So Okada   (Kyoto Univ.) ♯   On Euler characteristics for large Kronecker quivers · · · · · · · · · · · · · · · 10

52   Takahiko Furuya (Tokyo Univ. of Sci.) *   Hochschild cohomology of cluster-tilted algebras of types A and D · · · 15
Takao Hayami (Hokkai-Gakuen Univ.)

53   Takuma Aihara (Chiba Univ.)   Dimensions of triangulated categories with respect to subcategories · · 15
Tokuji Araya (Tokuyama Coll. of Tech.)
Osamu Iyama   (Nagoya Univ.)
Ryo Takahashi (Nagoya Univ./MSRI)
Michio Yoshiwaki (Osaka City Univ.)

17:00–18:00   Invited Talk by Research Section

Hyohe Miyachi   ♯   Comparison between module categories over modular quantum general
(Nagoya Univ./Osaka City Univ.)   linear groups

September 21st (Fri)   Session Room I

9:00–11:00

54   Tomohiro Iwami   *   Certain refinements of a projectivity criterion according to V. V. Shokurov
(Kyushu Sangyo Univ.)   and the log minimal model program for slc pairs · · · · · · · · · · · · · · · · · · 10

55   Makoto Sakurai   ♯   Geometric quantization of Wess–Zumino–Witten model and virtual lo-
calization formula · 15

56   Shigeru Iitaka (Gakushuin Univ.) ♯   sharp estimate of the birational invariant k in terms of (2,1) genera · · 15

57   Takanori Ayano (Osaka Univ.) ♯   On series expansion around the origin of sigma functions for telescopic
curves · 10

58   Tohru Gotoh   *   A holomorphic section relating to 2-pointed Weierstrass gap set · · · · · · 10
(Nat. Defense Acad. of Japan)

59   Kenta Watanabe (Osaka Univ.) *   On the Weierstrass semigroups for pointed curves on K3 surfaces with
Picard number one · 10

60   Ryo Kawaguchi (Kyushu Sangyo Univ.) ♯   Weierstrass gap sequences at total ramification points on curves on a
toric surface · 15

61   Katsuhisa Furukawa (Waseda Univ.) ♯   Duality with expanding maps and shrinking maps, and its applications
to Gauss maps · 15

11:00–12:00   Invited Talk by Research Section

Yoshinori Gongyo (Univ. of Tokyo) ♯   Log pluricanonical representations and abundance

14:15–15:45

62   Takayuki Hibi   (Osaka Univ.) ♯   Toric rings arising from cyclic polytopes · 15
Akihiro Higashitani (Osaka Univ.)
Lukas Katthän (Univ. Marburg)
Ryota Okazaki   (Osaka Univ.)

63   Kazunori Matsuda (Nagoya Univ.) *   Characterization of Gorenstein strongly Koszul Hibi rings by invariants
Takahiro Chiba (Nagoya Univ.)   of F-singularities · 15

64   Futoshi Hayasaka   * Asymptotic periodicity of primes associated to multigraded modules $\cdots$ 10
     (Kagoshima Nat. Coll. of Tech.)

65   Ryota Okazaki   (Osaka Univ.)$^{\sharp}$ On a minimal free resolution of a Borel fixed ideal and its supporting
     Kohji Yanagawa (Kansai Univ.)   CW complex $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

66   Yosuke Kuratomi   * On Goldie extending modules and extending modules $\cdots\cdots\cdots\cdots$ 10
     (Kitakyushu Nat. Coll. of Tech.)

67   Yousuke Kuratomi   * On semi-lifting modules $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
     (Kitakyushu Nat. Coll. of Tech.)

15:45–16:45   Invited Talk by Research Section

Shigeru Kuroda (Tokyo Metro. Univ.)$^{\sharp}$ Wild automorphisms of a polynomial ring