

論文リスト

- [75] *A note on isogenous fibers in families of abelian varieties over algebraic closures of finite fields*, RIMS Preprint **1990** (October 2025).
- [74] *The arithmetic fundamental groups of curves over local fields* (with Yu Yang), RIMS Preprint **1989** (October 2025).
- [73] *The anabelian geometry of configuration spaces of hyperbolic curves in positive characteristic* (with Koichiro Sawada and Shota Tsujimura), RIMS Preprint **1984** (May 2024).
- [72] A note on open homomorphisms between global solvably closed Galois groups, to appear in *Kodai Math. J.*
- [71] Tripod-degrees, to appear in *Publ. Res. Inst. Math. Sci.*
- [70] Canonical liftings of level two of tetrapods in characteristic three, to appear in *Kyushu J. Math.*
- [69] *A note on stable reduction of smooth curves whose Jacobians admit stable reduction* (with Shota Tsujimura), RIMS Preprint **1964** (August 2022).
- [68] On the injectivity of the homomorphisms from the automorphism groups of fields to the outer automorphism groups of the absolute Galois groups (with Shota Tsujimura), *Res. Number Theory* **9** (2023), no. **2**, Paper No. **44**, 13 pp.
- [67] On intrinsic Hodge-Tate-ness of Galois representations of dimension two, *Kodai Math. J.* **47** (2024), no. **1** 99-111.
- [66] An upper bound on the generic degree of the generalized Verschiebung for rank two stable bundles (with Yasuhiro Wakabayashi), *J. Pure Appl. Algebra* **228** (2024), no. **6**, Paper No. 107605, 14 pp.
- [65] Homomorphisms of global solvably closed Galois groups compatible with cyclotomic characters, *Tohoku Math. J. (2)* **77** (2025), no. **1**, 17-32.
- [64] Galois-theoretic characterization of geometric isomorphism classes of quasi-monodromically full hyperbolic curves with small numerical invariants (with Yu Iijima), *J. Algebra* **634** (2023), 480-511.
- [63] A note on fields generated by Jacobi sums, *Math. J. Okayama Univ.* **65** (2023), 117-123.
- [62] *Construction of abundant explicit nongeometric pro- p Galois sections of punctured projective lines* (with Shota Tsujimura), RIMS Preprint **1950** (June 2021).
- [61] Mono-anabelian reconstruction of solvably closed Galois extensions of number fields, *J. Math. Sci. Univ. Tokyo* **29** (2022), no. **3**, 257-283.
- [60] Combinatorial construction of the absolute Galois group of the field of rational numbers (with Shinichi Mochizuki and Shota Tsujimura), to appear in *J. Math. Sci. Univ. Tokyo*.
- [59] Explicit estimates in inter-universal Teichmüller theory (with Shinichi Mochizuki, Ivan Fesenko, Arata Minamide, and Wojciech Porowski), *Kodai Math. J.* **45** (2022), no. **2**, 175-236.
- [58] On the outer automorphism groups of the absolute Galois groups of mixed-characteristic local fields (with Yu Nishio), *Res. Number Theory* **8** (2022), no. **3**, Paper No. **56**, 13 pp.
- [57] The geometry of hyperbolic curvoids *Publ. Res. Inst. Math. Sci.* **59** (2023), no. **1**, 1-55.
- [56] *On indigenous bundles in characteristic three*, RIMS Preprint **1918** (June 2020).
- [55] A note on the existence of Tango curves, *Kodai Math. J.* **44** (2021), no. **1**, 77-80.
- [54] A note on Schwarzian derivatives and Sugiyama-Yasuda locally exact differentials, *Osaka J. Math.* **61** (2024), no. **3**, 313-333.
- [53] Frobenius-affine structures and Tango curves, *Nagoya Math. J.* **250** (2023), 385-409

- [52] Ramification of torsion points on a curve with superspecial reduction over an absolutely unramified base, *Tohoku Math. J. (2)* **74** (2022), no. **4**, 521-534.
- [51] Pseudo-rigid p -torsion finite flat commutative group schemes, *J. Number Theory* **229** (2021), 261-276.
- [50] On the geometric subgroups of the étale fundamental groups of varieties over real closed fields (with Takahiro Murotani and Shota Tsujimura), *Math. Z.* **298** (2021), no. **1-2**, 215-229.
- [49] A note on torsion points on ample divisors on abelian varieties, *Math. J. Okayama Univ.* **64** (2022), 1-11.
- [48] *Integrable connections III: Frobenius-descent data*, RIMS Preprint **1904** (July 2019).
- [47] *Integrable connections II: divided power stratifications*, RIMS Preprint **1903** (July 2019).
- [46] *Integrable connections I: two fundamental correspondences*, RIMS Preprint **1902** (July 2019).
- [45] The absolute anabelian geometry of quasi-tripods, *Kyoto J. Math.* **62** (2022), no. **1**, 179-224.
- [44] 遠アーベル幾何学の進展, *数学* **74** (2022), no. **1**, 1-30.
- [43] A note on an anabelian open basis for a smooth variety, *Tohoku Math. J. (2)* **72** (2020), no. **4**, 537-550.
- [42] Homotopy sequences for varieties over curves, *Kobe J. Math.* **37** (2020), no. **1-2**, 41-66.
- [41] Reconstruction of profinite graphs from profinite groups of PIPSC-type, *Hokkaido Math. J.* **49** (2020), no. **3**, 399-430.
- [40] Hyperbolic ordinariness of hyperelliptic curves of lower genus in characteristic three, *Kyushu J. Math.* **73** (2019), no. **2**, 317-335.
- [39] Topics in the anabelian geometry of mixed-characteristic local fields, *Hiroshima Math. J.* **49** (2019), no. **3**, 323-398.
- [38] Frobenius-projective structures on curves in positive characteristic, *Publ. Res. Inst. Math. Sci.* **56** (2020), no. **2**, 401-430.
- [37] Group-theoreticity of numerical invariants and distinguished subgroups of configuration space groups (with Arata Minamide and Shinichi Mochizuki), *Kodai Math. J.* **45** (2022), no. **3**, 295-348.
- [36] Introduction to mono-anabelian geometry, Publications mathématiques de Besançon. Algèbre et théorie des nombres, 2021, 5-44, *Publ. Math. Besançon Algèbre Théorie Nr., 2021*, Presses Univ. Franche-Comté, Besançon, 2021.
- [35] On the supersingular divisors of nilpotent admissible indigenous bundles, *Kodai Math. J.* **42** (2019), no. **1**, 1-47.
- [34] The Grothendieck conjecture for the moduli spaces of hyperbolic curves of genus one (with Ryo Kinoshita and Chikara Nakayama), *Kodai Math. J.* **40** (2017), no. **3**, 625-637.
- [33] On the pro- p absolute anabelian geometry of proper hyperbolic curves, *J. Math. Sci. Univ. Tokyo* **25** (2018), no. **1**, 1-34.
- [32] Two categorical characterizations of local fields, *Hiroshima Math. J.* **48** (2018), no. **3**, 253-277.
- [31] 続・宇宙際 Teichmüller 理論入門, *RIMS Kôkyûroku Bessatsu* **B72** (2018), 209-309.
- [30] Categorical characterization of strict morphisms of fs log schemes (with Chikara Nakayama), *Math. J. Okayama Univ.* **59** (2017), 1-19.
- [29] On ramified torsion points on a curve with stable reduction over an absolutely unramified base, *Osaka J. Math.* **54** (2017), no. **4**, 767-787.

- [28] 宇宙際 Teichmüller 理論入門, *RIMS Kôkyûroku Bessatsu* **B76** (2019), 79-183.
- [27] A note on dormant opers of rank $p - 1$ in characteristic p , *Nagoya Math. J.* **235** (2019), 115-126.
- [26] Mono-anabelian reconstruction of number fields, *RIMS Kôkyûroku Bessatsu* **B76** (2019), 1-77.
- [25] Nilpotent admissible indigenous bundles via Cartier operators in characteristic three, *Kodai Math. J.* **38** (2015), no. **3**, 690-731.
- [24] On the Grothendieck conjecture for affine hyperbolic curves over Kummer-faithful fields, *Kyushu J. Math.* **71** (2017), no. **1**, 1-29.
- [23] Finiteness of the moderate rational points of once-punctured elliptic curves, *Hokkaido Math. J.* **45** (2016), no. **2**, 271-291.
- [22] A pro- l version of the congruence subgroup problem for mapping class groups of genus one (with Yu Iijima), *J. Algebra* **520** (2019), 1-31.
- [21] The pro- l outer Galois actions associated to modular curves of prime power level (with Yu Iijima), *J. Théor. Nombres Bordeaux* **30** (2018), no. **3**, 781-799.
- [20] Topics surrounding the combinatorial anabelian geometry of hyperbolic curves IV: Discreteness and sections (with Shinichi Mochizuki), *Nagoya Math. J.* **256** (2024), 785-885.
- [19] On the kernels of the pro- l outer Galois representations associated to hyperbolic curves over number fields, *Osaka J. Math.* **52** (2015), no. **3**, 647-675.
- [18] On the field-theoreticity of homomorphisms between the multiplicative groups of number fields, *Publ. Res. Inst. Math. Sci.* **50** (2014), no. **2**, 269-285.
- [17] A note on the geometricity of open homomorphisms between the absolute Galois groups of p -adic local fields, *Kodai Math. J.* **36** (2013), no. **2**, 284-298.
- [16] The Grothendieck conjecture for hyperbolic polycurves of lower dimension, *J. Math. Sci. Univ. Tokyo* **21** (2014), no. **2**, 153-219.
- [15] Topics surrounding the combinatorial anabelian geometry of hyperbolic curves III: Tripods and tempered fundamental groups (with Shinichi Mochizuki), to appear in *Kyoto J. Math.*
- [14] Topics surrounding the combinatorial anabelian geometry of hyperbolic curves II: Tripods and combinatorial cuspidalization (with Shinichi Mochizuki), *Lecture Notes in Mathematics*, **2299**. Springer, Singapore, [2022].
- [13] Conditional results on the birational section conjecture over small number fields, *Automorphic Forms and Galois Representations*. vol. **2**, 187-230, London Math. Soc. Lecture Note Ser., **415**, Cambridge Univ. Press, Cambridge, 2014.
- [12] Corrigendum to “Tame-blind extension of morphisms of truncated Barsotti-Tate group schemes”, *J. Math. Sci. Univ. Tokyo* **19** (2012), no. **3**, 309-312.
- [11] Topics surrounding the combinatorial anabelian geometry of hyperbolic curves I: Inertia groups and profinite Dehn twists (with Shinichi Mochizuki), *Galois-Teichmüller Theory and Arithmetic Geometry*, 659-811, Adv. Stud. Pure Math., **63**, Math. Soc. Japan, Tokyo, 2012.
- [10] On a problem of Matsumoto and Tamagawa concerning monodromic fullness of hyperbolic curves: Genus zero case, *Tohoku Math. J. (2)* **65** (2013), no. **2**, 231-242.
- [9] On monodromically full points of configuration spaces of hyperbolic curves, *The Arithmetic of Fundamental Groups - PIA 2010*, 167-207, Contrib. Math. Comput. Sci., **2**, Springer, Heidelberg, 2012.
- [8] Existence of nongeometric pro- p Galois sections of hyperbolic curves, *Publ. Res. Inst. Math. Sci.* **46** (2010), no. **4**, 829-848.

- [7] Galois-theoretic characterization of isomorphism classes of monodromically full hyperbolic curves of genus zero, *Nagoya Math. J.* **203** (2011), 47-100.
- [6] On the combinatorial anabelian geometry of nodally nondegenerate outer representations (with Shinichi Mochizuki), *Hiroshima Math. J.* **41** (2011), no. **3**, 275-342.
- [5] 組み合わせ論的カスプ化の単射性部分について, *RIMS Kôkyûroku Bessatsu* **B19** (2010), 81-106.
- [4] Tame-blind extension of morphisms of truncated Barsotti-Tate group schemes, *J. Math. Sci. Univ. Tokyo* **16** (2009), no. **1**, 23-54.
- [3] Absolute anabelian cuspidalizations of configuration spaces of proper hyperbolic curves over finite fields, *Publ. Res. Inst. Math. Sci.* **45** (2009), no. **3**, 661-744.
- [2] On the fundamental groups of log configuration schemes, *Math. J. Okayama Univ.* **51** (2009), 1-26.
- [1] The exactness of the log homotopy sequence, *Hiroshima Math. J.* **39** (2009), no. **1**, 61-121.