

論文リスト

綾野孝則

1 査読付き学術論文

1. T. Ayano, Reduction of bielliptic hyperelliptic functions of genus 3, *Tokyo Journal of Mathematics*, 掲載確定.
2. T. Ayano, V. M. Buchstaber, Sigma function associated with a hyperelliptic curve with two points at infinity, *Regular and Chaotic Dynamics*, Vol. 31, No. 1, (2026), pp. 69–82.
3. T. Ayano, V. M. Buchstaber, Hyperelliptic sigma functions and the Kadomtsev-Petviashvili equation, *Physica D: Nonlinear Phenomena*, Vol. 481, 134819, (2025).
4. T. Ayano, Hurwitz integrality of the power series expansion of the sigma function for a telescopic curve, *Journal of the Mathematical Society of Japan*, Vol. 77, No. 3, (2025), pp. 833–867.
5. 綾野孝則, 森澤理之, OCU ラーニングセンターにおける数学学修支援活動について, 大阪市立大学 『大学教育』, 第 19 卷, 第 1 号, (2022), pp. 30–34.
6. T. Ayano, V. M. Buchstaber, Relationships between hyperelliptic functions of genus 2 and elliptic functions, *Symmetry, Integrability and Geometry: Methods and Applications*, Vol. 18, 010, (2022), 30 pages.
7. T. Ayano, V. M. Buchstaber, Analytical and number-theoretical properties of the two-dimensional sigma function, *Chebyshevskii Sbornik*, Vol. 21, No. 1, (2020), pp. 9–50.
8. T. Ayano, V. M. Buchstaber, Ultraelliptic integrals and two-dimensional sigma functions, *Functional Analysis and Its Applications*, Vol. 53, No. 3, (2019), pp. 157–173.
9. T. Ayano, V. M. Buchstaber, Construction of two parametric deformation of KdV-hierarchy and solution in terms of meromorphic functions on the sigma divisor of a hyperelliptic curve of genus 3, *Symmetry, Integrability and Geometry: Methods and Applications*, Vol. 15, 032, (2019), 15 pages.
10. T. Ayano, V. M. Buchstaber, The field of meromorphic functions on a sigma divisor of a hyperelliptic curve of genus 3 and applications, *Functional Analysis and Its Applications*, Vol. 51, No. 3, (2017), pp. 162–176.
11. T. Ayano, On Jacobi inversion formulae for telescopic curves, *Symmetry, Integrability and Geometry: Methods and Applications*, Vol. 12, 086, (2016), 21 pages.

12. T. Ayano, Sigma functions for telescopic curves, *Osaka Journal of Mathematics*, Vol. 51, No. 2, (2014), pp. 459–480.
13. T. Ayano, A. Nakayashiki, On addition formulae for sigma functions of telescopic curves, *Symmetry, Integrability and Geometry: Methods and Applications*, Vol. 9, 046, (2013), 14 pages.
14. T. Ayano, J. Suzuki, On d -asymptotics for high-dimensional discriminant analysis with different variance-covariance matrices, (Letter), *IEICE Transactions on Information and Systems*, Vol. E95.D, Issue 12, (2012), pp. 3106–3108.
15. T. Ayano, Rates of convergence for the k -nearest neighbor estimators with smoother regression functions, *Journal of Statistical Planning and Inference*, Vol. 142, Issue 9, (2012), pp. 2530–2536.
16. T. Ayano, The lower bound for the nearest neighbor estimators with (p, C) -smooth regression functions, *IEICE Transactions on Information and Systems*, Vol. E94.D, Issue 11, (2011), pp. 2244–2249.

2 発表予定

T. Ayano, Reduction of bielliptic hyperelliptic functions of even genus and applications, in preparation.