

ОСНОВНЫЕ ПУБЛИКАЦИИ

1. Torsion points of small order on cyclic covers of $\mathbb{P}^1$ II / Bekker B., Zarhin, Y. (2026), International Journal of Algebra and Computation <https://doi.org/10.1142/S0218196726410109>
2. Torsion points of small order on cyclic covers of $\mathbb{P}^1$ / Bekker B., Zarhin, Y., Ramanujan Journal. **67**,68 (2025) DOI: [10.1007/s11139-025-01082-x](https://doi.org/10.1007/s11139-025-01082-x)
3. Solving linear Diophantine equations/ Bekker B., Podkopaev O., Podkopaeva O. (2026). International Journal of Mathematical Education in Science and Technology, 57(6), 1252–1259.
4. Polarization Identities/ Bekker B., Podkopaev, O., (2025), Vestnik St. Petersburg University: Mathematics. 58, 4, pp 462–468
5. Torsion points of small order on hyperelliptic curves / Bekker, B. M., Zarhin, Y. G.// European Journal of Mathematics (2022), 8 – pp. 611–624
6. On the functional equation $f(\alpha x + \beta) = f(x)$ / Bekker B., Podkopaev O.// Aequationes Mathematicae (2022), 96(2) – pp.349 – 360.
7. Versal families of elliptic curves with rational 3-torsion /Bekker, B. M., Zarhin, Y. G.// Sbornik Mathematics – 2021, 212(3) – pp. 274 – 287.
8. Torsion points of order $2g + 1$ on odd degree hyperelliptic curves of genus g / Bekker B., Zarhin Yu. // Transactions of the American Mathematical Society – 2020, 373(11) – pp. 8059–8094.
9. Families of elliptic curves with rational torsion points of even order/ Bekker, B. M., Zarhin, Y. G.// Contemporary Mathematics, American Mathematical Society – 2019, 724 – pp. 1 – 32.
10. Division by 2 of rational points on elliptic curves / Bekker B.M., Zarhin Y.G. // St.Petersburg Mathematical Journal. – 2018– № 4 – С. 683-713.
11. Об одном алгебраическом тождестве и формуле Якоби-Труди / Беккер Б.М., Иванов О.А., Меркурьев А.С. // Вестник Санкт-Петербургского университета. Математика. Механика. Астрономия – 2016, 1 – С. 3-8.
12. Application of generating functions to the theory of success runs / Bekker B.M., Ivanov O.A., Ivanova V.V.// Applied mathematical sciences – 2016, 49 – pp. 2491-2495. **Q3**
13. Milnor's Lemma, Newton's Method, and Continued fractions / Bekker B.M., Ivanov O.A., Merkurjev A.S. // The American Mathematical Monthly – 2016, 3 – pp. 258-266. **Q2**
14. The arithmetic of the Lubin-Tate formal module in a multidimensional complete field / Bekker B.M., Vostokov S.V. // St.Petersburg Mathematical Journal – 2015, 26 (6) – pp. 859-865.
15. The Hilbert Symbol in Higher-Dimensional Local Fields for Formal Lubin–Tate Groups/ Afanas'eva, S. S., Bekker, B. M. , Vostokov, S. V.// Journal of Mathematical Sciences – 2013, 192 (2), pp . 137-153 **Q3**
16. Embeddability and construction of affine α -resolvable pairwise balanced designs/ Bekker, B., Ionin, Y. J., Shrikhande, M. S.// Journal of Combinatorial Designs – 1998, 6 (2), pp.111 – 129. .
17. Базис Шафаревича в топологических К-группах/ Беккер Б.М., Бондарко М.В., Востоков С.В.// Алгебра и Анализ – 1998, 10 (2), С. 63 – 80.
18. Class field theory for multidimensional complete fields with quasifinite residue fields/ Bekker B.M.// Proceedings of the St. Petersburg Mathematical Society., Amer. Math. Soc., Providence, RI –1995, 3, pp.101–106.

19. Abelian extensions of a complete discrete valuation field of finite height/ Bekker B.M.// St.Petersburg Mathematical Journal - 1992, 3(6), pp. 1271 – 1279.
20. Generalized Sperner lemma and subdivisions into simplices of equal volume/ Bekker B.M., Netsvetaev N.Yu// Journal of Mathematical Sciences (United States) – 1991, 91(6), pp. 3492 – 3498.
21. Алгебраический подход к теореме о неявной функции/ Беккер Б.М., Востоков С.В.// Упорядоченные пространства и операторные уравнения – 1989, 163, С.109 – 112.
22. Законы взаимности для алгебр над полями функций/ Беккер Б.М.// Матем. Заметки 1975, 17:3, 419–422.