PUBLICATIONS

RECENT PREPRINTS

[1] *Ptolemy relation and Friends*, https://amathr.org/ptolemy-relation-and-friends/AMR review, arXiv:2302.06379.

PUBLISHED PAPERS

[2] (with O. Karpenkov, K. Serhiyenko, P. Tumarkin) *3D Farey graph, lambda lengths and SL_2-tilings*, arXiv:2306.17118, accepted to Geometriae Dedicata.

[3] (with P. Tumarkin, E. Yildirim), *Polytopal realizations of non-crystallographic associahedra*, accepted by Algebraic Combinatorics.

[4] (with P. Tumarkin) *Cluster algebras of finite mutation type with coefficients*, Journal of Combinatorial Algebra, 8 (2024), no. 3/4, pp. 375–418.

[5] (with P. Lampe) *Exhange graphs for mutation-finite non-integer quivers*, Journal of Geometry and Physics, (2023) 188, 29 pages.

[6] (with P. Tumarkin) *Mutation-finite quivers with real weights*, Forum of Mathematics, Sigma (2023) 11: e9, 22 pages.

[7] (with I. Canakci, A. Garcia Elsener, P. Tumarkin) *Friezes for a pair of pants*, Seminaire Lotharingien de Combinatoire (2022) 86B: 32, 12 pages.

[8] (with J. W. Lawson, M. Shapiro and P. Tumarkin) *Cluster algebras from surfaces and extended affine Weyl groups*, Transform. Groups. 26 (2021), 501–535.

[9] (with I. Canakci) *Infinite rank surface cluster algebras*, Advances in Mathematics 352 (2019): 862–942.

[10] (with P. Tumarkin) *Geometry of mutation classes of rank 3 quivers*, Arnold Mathematical Journal, (2019) 5(1): 37–55.

[11] (with P. Tumarkin) *Acyclic cluster algebras, reflection groups and curves on a punctured disc*, Advances in Mathematics 340 (2018) 855–882.

[12] (with P. Tumarkin) *Bases for cluster algebras from orbifolds*, Advances in Mathematics, 318 (2017), 191–232.

[13] (with S. Natanzon) *Double pants decompositions revisited.* Moscow Math. J., 17(1): 51–58.

[14] (with P. Tumarkin) *Coxeter groups, quiver mutations and geometric manifolds*, J. London Math. Soc., 94 (2016), 38–60.

[15] (with P. Tumarkin) *Coxeter groups and their quotients arising from cluster algebras*, Int. Math. Res. Notices (2016), 5135–5186.

[16] (with J. Fintzen and P. Tumarkin) (2014). *Reflection subgroups of odd-angled Coxeter groups.* Journal of Combinatorial Theory, Series A 126 (2014), 92–127.

[17] (with M. Shapiro, H. Thomas and P. Tumarkin) *Growth rate of cluster algebras.* Proc. London Math. Soc. 109 (2014), 653–675.

[18] (with P. Tumarkin) *Essential hyperbolic Coxeter polytopes.* Israel Journal of Mathematics 199 (2014), 113–161.

[19] (with M. Shapiro and P. Tumarkin) *Cluster algebras and triangulated orbifolds.* Advances in Mathematics 231 (2012), 2953–3002.

[20] (with S. Natanzon) *Moduli via double pants decompositions.* Differential Geometry and its Applications 30 (2012), 490–508.

[21] (with M. Shapiro and P. Tumarkin) *Cluster algebras of finite mutation type via unfoldings.* Int. Math. Res. Notices 8 (2012), 1768–1804.

[22] (with M. Shapiro and P. Tumarkin) *Skew-symmetric cluster algebras of finite mutation type.* J. Eur. Math. Soc. 14 (2012), 1135–1180.

[23] (with P. Tumarkin) *Hyperbolic subalgebras of hyperbolic Kac-Moody algebras.* Transform. Groups 17 (2012), 87–122.

[24] (with S. Natanzon) *Labeled double pants decompositions.* Moscow Math. J. 11 (2011), 505–519.

[25] (with S. Natanzon) *Double pants decompositions of 2-surfaces.* Moscow Math. J. 11 (2011), 231–258.

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[28] (with P. Tumarkin) *On Coxeter polytopes with a unique pair of disjoint facets.* J. Combin. Theory A 116 (2009), 875–902.

[29] (with A. Retakh and P. Tumarkin) *Regular subalgebras of affine Kac-Moody algebras.* J. Phys. A: Math. Theor. 41 (2008) 365204 (16pp).

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[31] (with P. Tumarkin) *On compact hyperbolic d-polytopes with $d + 4$ facets.* Trans. Moscow Math. Soc. 69 (2008), 105-151.

[32] (with P. Tumarkin) *On simple ideal Coxeter hyperbolic polytopes.* Izv. Math. 72 (2008), 113–126.

[33] (with P. Tumarkin) *Euclidean simplices generating discrete reflection groups.* Europ. J. Combin. 28 (2007), 1056–1067.

[34] (with P. Tumarkin and T.Zehrt) *On hyperbolic Coxeter n-polytopes with $n+2$ facets.* Adv. Geom. 7 (2007), 177–189.

[35] (with P. Tumarkin) *Reflection subgroups of Euclidean reflection groups.* Sb. Math. 196 (2005), 1349–1369.

[36] *Coxeter decompositions of hyperbolic tetrahedra.* J. Math. Sci. 128 (2005), 3504–3514.

[37] *Coxeter decompositions of hyperbolic pyramids and triangular prisms.* Math. Notes 75 (2004), 583–593.

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[42] *Coxeter decompositions of hyperbolic simplices.* Sb. Math. 193 (2002), 1867–1888.

[43] *Coxeter decompositions of hyperbolic polygons.* Europ. J. Combin. 19 (1998), 801–817.

[44] *On Thurston signatures.* Russian Math. Surveys 52 (1997), 826–827.

OTHER PREPRINTS

[45] (with P. Tumarkin) *A series of word-hyperbolic Coxeter groups.* arxiv:math.GR/0507389.

[46] (with P. Tumarkin) *Three symmetries groups.* Bielefeld, no. 98-104.