RESEARCH PUBLICATIONS
by ANDRIY OLIYNYK

[1] A. Oliynyk. Green's relations in semigroups of automaton transformations. *Kyiv University Bulletin, Physics and Mathematics Series*, (4):91–97, 1997. (in Ukrainian).

[2] A. Oliinyk. On free semigroups of automaton transformations. *Mathematical Notes*, 63(2):215–224, 1998.

[3] Andrij S. Oliĭnyk. Free groups of automatic permutations. *Dop. NAS Ukraine*, (7):40–44, 1998. (in Ukrainian).

[4] Andrij Olijnyk. Free products of C_2 as groups of finitely automatic permutations. *Voprosy Algebry (Gomel)*, 14:158–165, 1999.

[5] A. Oliynyk. Free abelian groups of finite automata. *Kyiv University Bulletin, Physics and Mathematics Series*, (1):74–77, 1999. (in Ukrainian).

[6] A. S. Oliĭnyk and V. I. Sushchanskiĭ. A free group of infinite unitriangular matrices. *Mat. Zametki*, 67(3):382–386, 2000.

[7] A. S. Oliinyk. Free products of finite groups and groups of finitely automatic permutations. *Tr. Mat. Inst. Steklova*, 231(1):323–331, 2000. (in Russian).

[8] A.S.Oliynyk, I.I.Reznikov, and V.I.Sushchansky. Transformation semigroups defined by Mealey automata over finite alphabet. In *Proceedings of the Third International Algebraic Conference in Ukraine (Suny, 2001)*, pages 80–99. Kyiv: Institute of Mathematics NAS Ukraine, 2002. (in Russian).

[9] Andrij Olijnyk and Vitaly Sushchansky. Representations of free products by infinite unitriangular matrices over finite fields. *International Journal of Algebra and Computation*, 14(5-6):741–749, 2004.

[10] A. S. Oliynyk and V. I. Sushchansky. Conjugacy in inverse semigroups of partial automaton transformations over finite alphabet. *Dop. NAS Ukraine*, (9):35–39, 2004. (in Russian).

[11] T. V. Bogdzievych and A. S. Oliynyk. *up*-wreath powers of permutation groups over finite sets. *Kyiv University Bulletin, Mechanics and Mathematics Series*, (13-14):44–48, 2004. (in Ukrainian).

[12] C. K. Gupta, N. D. Gupta, and A. S. Oliynyk. Free products of finite groups acting on regular rooted trees. *Algebra and Discrete Mathematics*, (2):91–103, 2007.

[13] Yaroslav Lavrenyuk, Volodymyr Mazorchuk, Andrij Oliynyk, and Vitaliy Sushchansky. Faithful group actions on rooted trees induced by actions of quotients. *Communications in Algebra*, 35(11):3759–3775, 2007.

[14] Yaroslav Lavrenyuk and Andriy Oliynyk. On wreath products over tree-ordered sets. *Kyiv University Bulletin, Physics and Mathematics Series*, (3):24–27, 2007. (in Ukrainian).

[15] Karin Cvetko-Vah, Damjana Kokol Bukovšek, Andriy Oliynyk, Tomaz Košir, Ganna Kudryavtseva, and Yaroslav Lavrenyuk. Semitransitive subsemigroups of the symmetric inverse semigroups. *Semigroup Forum*, 78(1):138–147, 2009.

[16] A. S. Oliynyk. Amalgamated products of infinite cyclic groups generated by finite automata. *NaUKMA Academic Records, Physics and Mathematics Series*, 100:3–6, 2010. (in Ukrainian).

[17] A. S. Olijnyk. Two-state automorphisms of rooted trees and free products of finite groups. *Kyiv University Bulletin, Physics and Mathematics Series*, (3):74–76, 2010.

[18] Andriy Oliynyk. Groups of linear automata. *Algebra and Discrete Mathematics*, 10(1):97–103, 2010.

[19] Andrij Olijnyk, Vitaly I. Sushchansky, and J. K. Slupik. Inverse semigroups of partial automaton permutations. *International Journal of Algebra and Computation*, 20(7):923–952, 2010.

[20] A. S. Oliynyk. Groups of RS-automaton transformations. *Dop. NAS Ukraine*, (11):12–17, 2010. (in Russian).

[21] A. Oliynyk and V. Sushchanskii. The groups of ZC-automaton transformations. *Siberian Mathematical Journal*, 51(5):879–891, 2010.

[22] V.V. Nekrashevich, A.S. Oliinyk, and V.I. Sushchanskii. Metric properties of functions defined by partial automata. *Ukrainian Mathematical Journal*, 62:1741–1751, 2011.

[23] Andriy Oliynyk. Free semigroups in wreath powers of transformation semigroups. *Algebra and Discrete Mathematics*, 10(2):96–106, 2010.

[24] A. S. Oliynyk. Isomorphic representations of amalgamated free products of infinite cyclic groups by finite state automorphisms of p-adic rooted tree. *Dop. NAS Ukraine*, (12):20–24, 2010. (in Ukrainian).

[25] A. S. Oliynyk. Finite state quotients of free products of monogenic semigroups. *Mathematical Bulletin of the Shevchenko Scientific Society*, (7):188–204, 2010. (in Ukrainian).

[26] A. Oliynyk. Finite state wreath powers of transformation semigroups. *Semigroup Forum*, 82(3):423–436, 2011.

[27] A. S. Oliynyk. Free products of cyclic 2-groups in groups of infinite unitriangular matrices. *Mathematical Bulletin of the Shevchenko Scientific Society*, (9):231–237, 2012. (in Ukrainian).