

List of Publications  
of Yuriy Drozd

A. Books:

1. (with V. V. Kirichenko) Higher Algebra. Kiev University Publishers, p.I, 1971, p.II, 1973.
2. (with V. V. Kirichenko) Finite Dimensional Algebras. Vyshcha Shkola, Kiev, 1980 (English enlarged edition: Springer-Verlag, 1994).
3. Galois Theory. Kiev University Publishers, 1997.
4. Theory of Algebraic Numbers. Kiev University Publishers, 1997.
5. Introduction to Algebraic Geometry. Kiev University Publishers, 2001.
6. Basic Mathematical Logic. Kiev University Publishers, 2003.
7. Vector Bundels over Projective Curves. IMPA, Rio de Janeiro, 2008.

B. Research Articles:

1. (with P. Kolesnyk) On genera of polyhedra. arXiv:1104.5584 [math.AT].
2. (with I. Burban) Maximal Cohen-Macaulay modules over non-isolated surface singularities. arXiv:1002.3042 [math.AG].
3. (with R. Skuratovskii) Cubic rings and their ideals. Ukrainian Math. J. 62 (2010), 464–470. (arXiv:1001.0230[math.AG]).
4. (with L. Bodnarchuk) One class of wild but brick-tame matrix problems. J. Algebra 323 (2010), 3004–3019. (arXiv:0903.4374 [math.RT]).
5. (with I. Burban) Tilting on non-commutative rational projective curves. arXiv:0905.1231 [math.AG].
6. Matrix problems, triangulated categories and stable homotopy types. Preprint MPIM2009-23. (arXiv:0903.5185 [math.AT]).
7. (with L. Bodnarchuk and G.-M. Greuel) Simple vector bundles on plane degenerations of an elliptic curve. arXiv:0903.4966 [math.AG].
8. (with V. Bekkert) Derived categories for algebras with radical square zero. Algebras, Representations and Applications. Contemp. Math. 483 (2009), 55–62. ( arXiv:0812.4818 [math.RT])
9. (with V. Bekkert and V. Futorny) Derived tame local and two-point algebras. J. Algebra 302 (2009), 2433–2448. (arXiv:0812.4783 [math.RT])
10. (with V. Bekkert and V. Futorny) Tilting, deformations and representations of linear groups over Euclidean algebras. arXiv:0810.2037 [math.RT].
11. (with R. Skuratovskii) Generators and relations for wreath products. Ukrainian Math. J. 90 (2008), 997–999. (arXiv:0810.0769 [math.GR])
12. (with I. Burban) Maximal Cohen-Macaulay modules over surface singularities. Trends in Representations of Algebras and Related Topics. EMS Publishing House, 2008, 101–166. (arXiv:0803.0117 [math.AG])
13. Group action on bimodule categories. Algebra and Discrete Math. no. 3 (2008), 50–68. (arXiv:0802.4266 [math.RT])
14. (with P. Kolesnik) Automorphisms of incidence algebras. Comm. Alg. 35 (2007).
15. (with V. Mazorchuk) Koszul duality for extension algebras of standard modules. J. Pure Appl. Algebra. 211 (2007), 484–496.

16. (with R. Bautista, Xiyangyong Zeng and Yingbo Zhang) On Hom-spaces of tame algebras. *Central European J. Math.* 5 (2007), 215–263.
17. Derived categories of modules and coherent sheaves in: *Singularities and computer algebra*. London Mathematical Society Lecture Note Series 324 (2006), 79–128.
18. (with L. Bodnarchuk, I. Burban and G.-M. Greuel) Vector bundles and torsion free sheaves on degenerations of elliptic curves. in: *Global Aspects of Complex Geometry*. Springer, 2006, 83–128.
19. (with V. M. Mazorchuk) Representation type of  ${}_{\lambda}^{\infty}\mathcal{H}_{\mu}^1$ . *Quarterly J. Math.* 57 (2006), 319–338 (arXiv:math.RT/0412301).
20. (with I. Burban) Derived categories for nodal rings and projective configurations. in: *Noncommutative Algebra and Geometry*. Lecture Notes in Pure and Applied Mathematics 243 (2005), 23–46.
21. On classification of torsion free polyhedra. Preprint MPI 2005-99, Max-Plank-Institut fr Mathematik, 2005.
22. Semi-continuity for derived categories. *Algebras and Representation Theory* 8 (2005), 239–248 (arXiv:math.RT/0212015).
23. (with E. A. Kubichka) Dimensions of finite type for representations of partially ordered sets. *Algebra and Discrete Math.* 3, No.3 (2004), 20–36. (arXiv:math.RT/0404242)
24. Matrix problems and stable homotopy types of polyhedra. *Central European J. Math.* 2 (2004) 420–447. (arXiv:math.AT/0404252)
25. (with V. I. Bekkert) Tame–wild dichotomy for derived categories. arXiv:math.RT/0310352. (Submitted to *J. London Math. Soc.*)
26. Vector bundles and Cohen–Macaulay modules, in: *Representations of Finite Dimensional Algebras and Related Topics in Lie Theory and Geometry*. Field Institute Communications 40. AMS, 2004, 189–222. (arXiv:math.AG/0310368)
27. Derived tame and derived wild algebras. *Algebra and Discrete Math.* 3, No.1 (2004), 57–74. (arXiv:math.RT/0310171)
28. (with L. Bodnarchuk) Stable vector bundles over cuspidal cubics. *Central European J. Math.* 4 (2003) 650–660.
29. (with I. Burban) Derived categories of nodal algebras. *J. Algebra* 272 (2004) 46–94.
30. (with I. Burban) Coherent sheaves on rational curves with simple double points and transversal intersections. *Duke Math. J.* 121 (2004) 189–229.
31. (with G.-M. Greuel and I. Kashuba) On Cohen-Macaulay modules on surface singularities. *Moscow Math. J.* 3 (2003), 397–418.
32. On polynomial functors. *Visnyk Lviv University* 61 (2003), 67–77.
33. (with I. Burban) Derived categories and matrix problems, in: *Algebraic Structures and their Applications*. Kyiv, 2002.
34. On cubic functors. *Communications in Algebra*, 173 (2003), 1147–1173.
35. Semi-continuity for derived categories. arXiv:math.RT/0212015 (to appear in *Algebras and Representation Theory*).

36. (with I. Burban) On derived categories of certain associative algebras, in: Representations of Finite Dimensional Algebras and Related Topics in Lie Theory and Geometry. Field Institute Communications 45. AMS, 2004, 109–128.
37. Reduction algorithm and representations of boxes and algebras. *Comptes Rendue Math. Acad. Sci. Canada* 23 (2001) 97-125.
38. (with G.-M. Greuel) Tame and wild projective curves and classification of vector bundles. *J. Algebra*, 246 (2001) 1–54.
39. (with H.-J. Baues) Classification of stable homotopy types with torsion-free homology. *Topology* 40 (2001) 789–821.
40. (with I. Burban and G.-M. Greuel) Vector bundles on singular projective curves, in: Applications of Algebraic Geometry to Coding Theory, Physics and Computation. Kluwer Academic Publishers, 2001, 1–15.
41. Finitely generated quadratic modules, *Manuscripta matem.* 104 (2001), 239–256.
42. (with I. Burban) On derived categories of vector bundles and some associative algebras, Preprint, University of Kaiserslautern, 2001.
43. (with H.-J. Baues) Indecomposable homotopy types with at most two non-trivial homology groups, in: Groups of Homotopy Self-Equivalences and Related Topics. *Contemporary Mathematics*, 274 (2001) 39–56.
44. Cohen–Macaulay modules and vector bundles, in: Interaction between Ring Theory and Representations of Algebras, Marcel Decker, New York, 2000, 107–130.
45. (with H.-J. Baues) Representation theory of homotopy types with at most two non-trivial homotopy groups, *Math. Proc. Cambridge Phil. Soc.* 128 (2000), 283–300.
46. (with S. Ovsienko) Coverings of tame boxes and algebras, Preprint MPI 00-26, Max-Planck-Institut für Mathematik, Bonn, 2000 (submitted to Proceedings of the London Mathematical Society).
47. (with H.-J. Baues) The homotopy classification of  $(n - 1)$ -connected  $(n+4)$ -dimensional polyhedra with torsion free homology, *Expo. Math.* 17 (1999), 161–179.
48. (with V. V. Kirichenko and S. A. Ovsienko) On systems of orthogonal permutations, *Matem. Studii* 2, no. 1 (1999) 3-6.
49. (with G.-M. Greuel) On Schappert’s characterization of strictly unimodal plane curve singularities, in: Singularities: The Brieskorn Anniversary Volume, Birkhäuser, 1998, 3–26.
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51. Representations of bisected posets and reflection functors, In: Algebras and Modules. II, CMS Conference Proceedings, vol. 24, Amer. Math. Soc., 1998, 153–165.
52. (with K. W. Roggenkamp) On the global structure of regular orders of dimension two, *Commun. Algebra*, 25 (1997), 1–9.
53. (with G.-M. Greuel) Semi-continuity for Cohen–Macaulay modules, *Math. Ann.*, 306 (1996) 371–389.

54. (with B. L. Guzner, S. A. Ovsienko) Weight modules over generalized Weyl algebras, *J. Algebra*, 184 (1996) 491–504.
55. Cohen–Macaulay modules over Cohen–Macaulay algebras. In: *Representation Theory of Algebras and Related Topics*, CMS Conference Proceedings, vol. 19, Amer. Math. Soc., 1996, p. 25–53.
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66. Representations of bocses and algebras, *Contemp. Math.* 131, p.2 (1992) 301–316.
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82. Modules over hereditary orders, *Mat. Zametki*, 29 (1981) 813–816.
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94. (with A. G. Zavadski, V. V. Kirichenko) Matrix problems and integral representations, *Izvestia Acad. Sci. USSR*, 38 (1974) 291–293.
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