

## Publication list of Mikhail V. Bondarko

### Papers published

1. Bondarko M.V., Vostokov S.V, Zhukov I.B., Additive Galois modules in complete discrete valuation fields// Algebra and Analysis, 1997, issue 4, 28–46.
2. Bekker B.M., Bondarko M.V., Vostokov S.V, Shafarevich bases in topological K-groups// Algebra and Analysis 1998, issue 2, 63–80.
3. Bondarko M.V., Vostokov S.V, Decomposition of ideals in abelian p-extensions of complete discrete valuation fields// Zap. Nauchn. Sem. Pomi 1998, issue 236, 23–31.
4. Bondarko M.V., Vostokov S.V, Decomposability of ideals as Galois modules in complete discrete valuation fields// Algebra and Analysis, 1999, issue 2, 41–64.
5. Bondarko M.V., Vostokov S.V, Isomorphism of ideals regarded as Galois modules of complete discrete valuation fields with residue field of positive characteristics // Trudy St. Peterburgskogo Matematicheskogo Obsh'estva, vol. 6, 2000, 42–51, translation in Amer. Math. Soc. Transl. (2) vol. 199, 2000, 117–125.
6. Bondarko M.V., Lai K. F., Vostokov S.V, Galois structure for abelian p-extensions of Dedekind domains// Journal fur die reine und angewandte mathematik, 1999, 517, 51–59.
7. Bondarko M.V., Vostokov S.V, Additive Galois modules of Dedekind rings. Decomposability// Algebra and Analysis 1999, issue 6, 103–121.
8. Bondarko M.V., Idempotents in the endomorphism ring of an ideal of a p-extension of complete discrete valuation fields with residue field of characteristic p as a Galois module// Zap. Nauchn. Sem. Pomi, 1999, volume 265, 22–28.
9. Bondarko M.V., Krull-Schmidt theorem for Henselian rings// Zap. Nauchn. Sem. Pomi, 1999, volume 265, 29–41.
10. Bondarko M.V., Local Leopoldt's problem for rings of integers in abelian p-extensions of complete discrete valuation fields// Documenta Math., volume 5, 657–693, 2000.
11. Bondarko M.V., Local Leopoldt's problem for ideals in p-extensions of complete discrete valuation fields, in: Algebraic Number Theory and Algebraic Geometry: Papers Dedicated to A. N. Parshin on the Occasion of his Sixtieth Birthday, 27–57, Contemporary Mathematics, Providence, 2002.
12. Bondarko M.V., Links between associated additive Galois modules and computation of  $H^1$  for local formal group modules// The Journal of Number Theory, 101, 74–104, 2003.
13. Bondarko M.V., Vostokov S.V., Explicit classification of formal groups over local fields// Trudy MIAN, 241, no. 2, 43–67, 2003, translation in: Proceedings of the Steklov Institute of Mathematics, 2003, 241, 35–57.
14. Bondarko M.V., Cohomology of formal group moduli and deeply ramified extensions// Math. Proc. of the Cambridge Philosophical Society, 135, 19–24, 2003.
15. Bondarko M.V., Ideals in an extension of a number field as modules over the ring of integers in a ground field// Bonner Mathematische Schriften, 360, 2003.
16. Bondarko M.V., Lorenz F., Vostokov S.V., Hilbert pairing for formal groups over  $\sigma$ -rings// Zap. Nauchn. Sem. Pomi, vol. 319, 5–58, 2004, translation in: Journal of Mathematical Sciences, vol. 134:6, 2445–2476, 2006.

17. Bondarko M.V., Minchev H, Vostokov S.V., Scalar restriction for formal groups// Zap. Nauchn. Sem. Pomi, vol. 319, 59–71, 2004, translation in: Journal of Mathematical Sciences, vol. 134:6, 2477–2482, 2006.
18. Bondarko M.V., Explicit classification of formal groups over complete discrete valuation fields with imperfect residue field// Trudy St. Peterburgskogo Matematicheskogo Obsh'estva, vol. 11, 2005, 1–36, translation in: American Mathematical Society Translations, vol. 218, 1–30, 2006.
19. Bondarko M.V., Isogeny classes of formal groups over discrete valuation fields with arbitrary residue field// Algebra and Analysis, vol. 17, issue 6, 2005, 105–124, translation in: St. Petersburg Math. J. 17 (2006), 975–988.
20. Bondarko M.V., The generic fibre of finite group schemes; 'finite wild' criterion of good reduction of Abelian varieties// Mat. Izv. Akad. Nauk, vol. 70:4, 2006, 21–52, translation in: Izvestiya: Mathematics, 2006, 70:4, 661–691.
21. Bondarko M.V., Classification of of finite group schemes over the rings of integers of complete discrete valuation fields; the tangent space and semistable reduction of Abelian varieties// Algebra and Analysis, vol. 18 (5), 2006, 72–98, translation in: St. Petersburg Math. J. 18 (2007), 737–755.
22. Bondarko M.V., Leopoldt's problem for totally ramified extensions of complete discrete valuation fields// Algebra and Analysis, vol. 18 (5), 2006, 99–129, translation in: St. Petersburg Math. J. 18 (2007), 757–778.
23. Bondarko M.V., Formal groups over local fields: a constructive approach, in: London Mathematical Society Lecture Note Series #338: Surveys in Geometry and Number Theory, 24–57, 2007.
24. Bondarko M.V., Canonical representatives in strict isomorphism classes of formal groups// Mat. Zametki, 82:2 (2007), 183–189, translation in: Mathematical Notes, vol. 82 (1–2), 159–164, 2007.
25. Bondarko M.V., Dievsky A. V., Non-abelian associated orders of wildly ramified local field extensions// Zapiski Nauchnykh Seminarov POMI, vol. 356, 2008, 5–45; translation in: Journal of Mathematical Sciences, v. 156, n. 6, 2009, 855–876.
26. Bondarko M.V., Differential graded motives: weight complex, weight filtrations and spectral sequences for realizations; Voevodsky vs. Hanamura// J. of the Inst. of Math. of Jussieu, v.8 (2009), no. 1, 39–97, see also <http://arxiv.org/abs/math.AG/0601713>
27. Bondarko M.V., Motivically functorial coniveau spectral sequences; direct summands of cohomology of function fields// Doc. Math., extra volume: Andrei Suslin's Sixtieth Birthday (2010), 33–117; see also <http://arxiv.org/abs/0812.2672>
28. Bondarko M., Weight structures vs.  $t$ -structures; weight filtrations, spectral sequences, and complexes (for motives and in general)// J. of K-theory, v. 6, i. 03, 387–504, 2010, see also <http://arxiv.org/abs/0704.4003>
29. Bondarko M.V.,  $\mathbb{Z}[\frac{1}{p}]$ -motivic resolution of singularities// Compositio Math., vol. 147, iss. 5, 2011, 1434–1446.
30. Bondarko M.V., Weight structures and 'weights' on the hearts of  $t$ -structures// Homology, Homotopy and Applications, vol. 14, 2012, No. 1, 239–261.
31. Bondarko M.V., Weights for Voevodsky's motives over a base; relation with mixed complexes of sheaves, Int. Math. Res. Notes vol. 2014, i. 17, 4715–4767.

32. Bondarko M.V., Mixed motivic sheaves (and weights for them) exist if 'ordinary' mixed motives do, to appear in *Compositio Math.*, <http://arxiv.org/abs/1105.0420>

**Preprints**

33. Bondarko M.V., A 'fat hyperplane section' weak Lefschetz (in arbitrary characteristic), and Barth-type theorems, preprint, <http://arxiv.org/abs/1203.2595>

34. Bondarko M.V., Sosnilo V.A., Non-commutative localizations of additive categories and weight structures; applications to birational motives, preprint, <http://arxiv.org/abs/1304.6059>

35. Bondarko M.V., Gersten weight structures for motivic homotopy categories; direct summands of cohomology of function fields and coniveau spectral sequences, preprint, <http://arxiv.org/abs/1312.7493>

36. Bondarko M.V., On perverse homotopy t-structures, coniveau spectral sequences, cycle modules, and relative Gersten weight structures, preprint, <http://arxiv.org/abs/1409.0525>