CV of Malkhaz bakuradze

Personal Information

Born jan. 1, 1961)
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Education

1989	PhD	TSU, Supervisor V.M. Buchstaber
1983	Diploma.	TSU, Faculty of Mathematics and Mechanics
1978	State school	N 124, Tbilsi

Acadamic Career

01/10/2008 –	TSU, Associated Professor
01/01/1995 –	Razmadze Math. Institute, Senior Researcher

Visiting positions

01/01/2004 - 01/01/2005	Univ. Montpellier-2, France, Visiting Professor
01/09/2002 - 28/02/2003	Max-Plank Institute of Mathematics, Visiting Professor

Service

2015–	Editorial Board, ``Tbilisi mathematical Journal''
2017–	Program board member of International PhD Program at TSU".

Research Area

Algebraic Topology, Cobordism, K-Theory, Characteristic classes, Formal group laws and genera, Homology/cohomology theories, explicit calculations in Morava K-theories and other complex oriented cohomology theories.

PhD students

Ana Nusxeladze	2017, TSU
Natia Gachechiladze	2014 –2017, Final examen is proposed in Nov. 2017, TSU
Goderdzi Pruidze	2013-2016, TSU

Grants

2017-2019	CNRS PICS Ref. 04/02, Co PI
2016-2018	SRGNF grant, Ref. 217-614, Scientific Supervisor
2012-2014	SRGNF grant, DI/16/5-103/12, Coordinator
2011-2013	Volkswagen Foundation, Ref.: I/84 328, Main Personnel
2009-2011	Volkswagen Foundation, Ref.: 85 989, Main Personnel
2009-2011	GNSF 08-671-3-103, Main Personnel
2006-2009	GNSF, ST06/3-004, Main Personnel
2006-2008	INTAS-South Caucasus, Main Personnel
2004-2007	INTAS, 03-51-3251, Main Personnel
2004-2005	NATO (OTAN FRANCE) Individual grant
2001-2003	GEM1 3330 TB-03; GRDF, Main Personnel
1999-2001	CRDF, GEM1-2083, Main Personnel
1995-1996	ISF, RVJ 200; ISF, RVJ 200, Main Personnel
1994-1995	ISF, RVJ 000; ISF, RVJ 000, Main Personnel

Main Publications

[bm1] Malkhaz Bakuradze, *All extensions of C_2 by $C_{2^{n+1}}^2$ are good*, to appear (2017), available at arXiv:1603.04021v2[math.AT]. ↑

[bm2] _____ , *Polynomial behavior of the Honda formal group laws*, J. Homotopy Relat. Struct. **12(2)** (2017), 299-304, available at https://link.springer.com/article/10.1007. ↑

[bm3] _____ , *Some 2-groups from the view pf Hilbert-Poincaré polynomials of $K(2)^*(BG)$*, Tbilisi Math. J. **10(2)** (2017), 103-110. ↑

[bm4] Malkhaz Bakuradze and Natia Gachechiladze, *Morava K-theory rings of the extensions of C_2 by the products of cyclic 2-groups*, Moscow Math. J. **16(4)** (2016), 141–193, available at http://www.mathjournals.org/mmj/2016-016-004/2016-016-004-001.html. ↑

[bm5] Malkhaz Bakuradze and Mamuka Jibladze, *Some explicit expressions concerning BP*, Georgian Math. Journal **23(2)** (2016), 157–167, available at arXiv:1310.0783v3[math.AT].. ↑

[bm6] Malkhaz Bakuradze, *Using formal group laws: some explicit calculations*, LAMBERT Academic Publishing, 2016, ISBN 978-3-659-96340-7. ↑

[bm7] Malkhaz Bakuradze, Alexander Gamkrelidze, and Joseph Gubeladze, *Affine Hom-complexes*, Port. Math. **73(2)** (2016), 183–205, available at arXiv:1407.6870[math.CO]. ↑

[bm8] Malkhaz Bakuradze, *Morava K-theory rings of the extensions of C_p by the products of good groups under diagonal action*, Georgian Math. J. **22 (4)** (2015), 451–455, available at arXiv:1412.2274[math.AT]. ↑

[bm9] Malkhaz Bakuradze and Mamuka Jibladze, *Morava K-theory rings of groups $G_{38}, ..., G_{41}$ of order 32*, J. K-theory **13** (2014), 171–198. ↑

[bm10] Malkhaz Bakuradze, *Computing the Krichever genus*, J. Homotopy Relat. Struct. **9(1)** (2014), 85–93, available at https://link.springer.com/article/10.1007. ↑

[bm11] _____ , *On the Buchstaber formal group law and some related genera*, Proc. Steklov Math. Inst **286(1)** (2014), 7–21, available at https://link.springer.com/article/10.1134. ↑

[bm12] _____ , *Formal group laws by Buchstaber, Krichever and Nadiradze coincide*, Russ. Math. Surv. **68, 571** (2013). ↑

[bm13] _____ , *Transferred characteristic classes and generalized cohomology rings*, J. Math. Sci. **189(1)** (2013), 10-75, available at https://link.springer.com/article/10.1134. ↑

[bm14] Malkhaz Bakuradze and Mamuka Jibladze, *On the coefficient ring of the rational formal group law*, Proc. of A. Razmadze Math. Inst. **159** (2012), 1-9. ↑

[bm15] Malkhaz Bakuradze, *Induced representations, Transferred Chern classes and Morava rings $K(s)^*(BG)$: some calculations*, Proc. Steklov Math. Inst. **275** (2011), 160-168. ↑

[bm16] Malkhaz Bakuradze and Mamuka Jibladze, *The rings $K(s)^*(BG)$ for the groups $G_{38}, ..., G_{41}$ of order 32*, Russian Math. Surv. **66(5)** (2011), 1003-1005. ↑

[bm17] Malkhaz Bakuradze, *Mod 2 Morava K-theory for Frobenius complements of exponent dividing $2^n 9$*, J. Homotopy Relat. Struct. **6(1)** (2011), 65-69. ↑

[bm18] _____ , *Morava K-theory rings for the modular groups in Chern classes*, K-theory **38(2)** (2008), 87-93. ↑

[bm19] _____ , *Morava K-theory rings for a quasi-dihedral group in Chern classes*, Proc. Steklov Math. Inst. **252** (2006), 23-29. ↑

[bm20] _____ , *Morava K-theory rings for the modular groups in Chern classes*, Russian Math. Surv. **61(3)** (2006). ↑

[bm21] Malkhaz Bakuradze and Vladimir Vershinin, *Morava K-theory rings for the dihedral, semi-dihedral and generalized quaternion groups in Chern Classes*, Proc. Amer. Math. Soc. **134** (2006), 3707-3714. ↑

[bm22] Malkhaz Bakuradze and Stewart Priddy, *Transferred Chern classes in Morava K-theory*, Proc. Amer. Math. Soc. **132** (2004), 1855-1860. ↑

[bm23] Malkhaz Bakuradze and Vladimir Vershinin, *Characteristic classes and transfer relations in cobordism*, Proc. Amer. Math. Soc. **131(6)** (2003), 1935-1942. ↑

[bm24] Malkhaz Bakuradze and Stewart Priddy, *Transfer and complex oriented cohomology rings*, Algebraic and Geometric Topology **3** (2003), 473-1509. ↑

[bm25] Malkhaz Bakuradze, *The formal group law and transferred Chern classes in Morava K-theory*, Max-Plank-Institute preprint series **130** (2002). ↑

[bm26] M. Bakuradze, M. Jibladze, and V. Vershinin, *Characteristic classes and transfer relations in cobordism*, Russian Math. Surv. **156(3)** (2001), 72-74. ↑

[bm27] M. Bakuradze, *On symplectic cobordism of real projective plane*, Pub. Math. Barc. **44(1)** (2000), 339-342. ↑

[bm28] _____ , *On the Buchstaber subring in $MSp*$*, Georgian Math. J. **5(5)** (1998), 401-414. ↑

[bm29] _____ , *The transfer and symplectic cobordism*, Trans. Amer. Math. Soc. **349(11)** (1997), 4385-4399. ↑

[bm30] _____ , *Some calculations with transfer in symplectic cobordism*, Bull. Georgian Acad. of Sci. **2** (1996), 208-211. ↑

[bm31] _____ , *Some relations in symplectic cobordisms*, Proc. A. Razmadze Math. Inst. **104** (1994), 27-34. ↑

[bm32] _____ , *On transfer of coverings*, Proc. A. Razmadze Math. Inst. **94** (1991), 3-11. ↑

[bm33] M. Bakuradze and Roin Nadiradze, *Cohomological realizations of two-valued formal groups and their applications*, Proc. A. Razmadze Math. Inst. **94** (1991), 12-28. ↑

[bm34] M. Bakuradze, *transfer and characteristic classes in complex cobordism*, Bull. Georgian Acad. of Sci. **135(1)** (1989), 49-51. ↑

[bm35] _____ , *On transfer of coverings*, PhD, Moscow, Viniti **BY 6** (1988). ↑

[bm36] M. Bakuradze and Roin Nadiradze, *Cohomological realizations of two-valued formal groups and their applications*, Bull. Georgian Acad. of Sci. **127(4)** (1987). ↑