

Publications

1. A. I. Danilenko and M. I. Viefrik, *Rank-one nonsingular actions of countable groups and their odometer factors*, Ergod. Theory & Dyn. Syst., **45**(2025), 1078 — 1128.
2. A. I. Danilenko, *Krieger's type for ergodic nonsingular Poisson actions of non-(T) locally compact groups*, Ergod. Theory & Dyn. Syst., **43**(2023), 2317–2353.
3. A. I. Danilenko and M. I. Viefrik, *Explicit rank-one constructions for irrational rotations*, Studia Math., **270**(2023), 121–144.
4. A. I. Danilenko, Z. Kosloff and E. Roy, *Nonsingular Poisson suspensions*, J. d'Anal. Math., **146**(2022), 741–790.
5. A. I. Danilenko, *Haagerup property and Kazhdan pairs via ergodic infinite measure preserving actions*, Studia Math., **265**(2022), 211–226.
6. A. I. Danilenko and Z. Kosloff, *Krieger's type of nonsingular Poisson suspensions and IDPFT systems*, Proc. Amer. Math. Soc., **150**(2022), 1541–1557.
7. A. I. Danilenko and M. Lemańczyk, *Ergodic cocycles of IDPFT systems and nonsingular Gaussian actions*, Ergod. Theory & Dyn. Syst., **42**(2022), 1624–1654.
8. A. I. Danilenko, Z. Kosloff and E. Roy, *Generic nonsingular Poisson suspension is of type III₁*, Ergod. Theory & Dyn. Syst., **42**(2022), 1415--1445.
9. A. I. Danilenko, *On the bounded cohomology for ergodic nonsingular actions of amenable groups*, Isr. J. Math., **243**(2021), 421--436.
10. A. I. Danilenko, *Rank-one actions, their (C,F)-models and constructions with bounded parameters*, J. d'Anal. Math., **139**(2019), 697--750.
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14. A. I. Danilenko, *Directional recurrence and directional rigidity for infinite measure preserving actions of nilpotent lattices*, Ergod. Theory & Dyn. Syst., **37**(2017), 1841-1861.
15. A. I. Danilenko, *Furstenberg entropy values for nonsingular actions of groups without property(T)*, Proc. Amer. Math. Soc., **145**(2017), 1153--1161.

16. A. I. Danilenko, *Mixing actions of zero entropy for countable amenable groups*, Colloq. Math., **145**(2016), 179--186.
17. A. I. Danilenko, *Actions of finite rank: weak rational ergodicity and partial rigidity*, Ergod. Theory & Dyn. Syst., **36**(2016), 2138--2171.
18. A. I. Danilenko, *Finite ergodic index and asymmetry for infinite measure preserving actions*, Proc. Amer. Math. Soc. **144** (2016), 2521--2532.
19. A. I. Danilenko and M. Lemańczyk, *Odometer actions of the Heisenberg group*, J. d'Anal. Math., **128**(2016), 107--157.
20. A. I. Danilenko and A. V. Solomko, *Simple mixing actions with uncountably many prime factors*, Colloq. Math., **139**(2015), 37--54.
21. A. I. Danilenko, *Mixing actions of the Heisenberg group*, Ergod. Th. & Dyn. Syst., **34**(2014), 1142--1167.
22. A. I. Danilenko and M. Lemańczyk, *Spectral multiplicities for ergodic flows*, Discrete and Contin. Dynam. Systems - Series A, **33**(2013), 4271--4289.
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26. A. I. Danilenko and V. V. Ryzhikov, *On self-similarities of ergodic flows*, Proc. London Math. Soc., **104**(2012), 431--454.

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29. A. I. Danilenko and K. K. Park, *Rank-one flows of transformations with infinite ergodic index*, Proc. Amer. Math. Soc., **139**(2011), 201--207.
30. A. I. Danilenko, *Uncountable collection of mixing rank-one actions for locally normal groups*, Semin. et Congr. de la SMF, **20**(2011), 253--266.
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37. A. I. Danilenko, *Weakly mixing rank-one transformations conjugate to their squares*, Studia Math., **187**(2008), 75--93.

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40. A. I. Danilenko and C. E. Silva, *Mixing rank-one actions of locally compact Abelian groups*, Ann. Inst. H. Poincaré', Probab. Statist., **43**(2007), 375--398.
41. A. I. Danilenko, *On simplicity concepts for ergodic actions*, J. d'Anal. Math., **102**(2007), 77--118.
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54. A. I. Danilenko, *Point realization of Boolean actions of countable inductive limits of locally compact groups*, Matemat. Fizika, Analiz, Geometriya, **7**(2000), 35-48.
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63. A. I. Danilenko, *On cocycles compatible with normalizers of full groups of measure space transformations*, Dop. Nats. Akad. Nauk Ukr., 1994, No 7, 14--17.
64. V. Ya. Golodets, A. I. Danilenko and S. I. Bezuglyi, *On cocycles of ergodic dynamical systems and automorphisms compatible with them*, Adv.in Soviet Math., **19** (1994), 73--96.
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2. List of chapters in scientific monographs

1. A. I. Danilenko and C. E. Silva, *Ergodic Theory: Nonsingular Transformations*, in volume "Ergodic Theory" of Encyclopedia of Complexity and Systems Science; second edition Springer, 2023, 233--292.
2. A. I. Danilenko and C. E. Silva, *Ergodic Theory: Nonsingular Transformations*, in "Encyclopedia of Complexity and Systems Science", Springer, 2009, 3055--3083.

Editing books

Ergodic theory. Edited by Cesar E. Silva and Alexandre I. Danilenko, a volume in *Encycl. Complex. Syst. Sci.*, Springer, New York, [2023], ©2023. xxi+694 pp., ISBN:978-1-0716-2387-9