

List of publications

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Books

1. Atanasiu, Dragu; Mikusiński, Piotr, Linear Algebra: Core Topics For The Second Course, World Scientific, 2023, ISBN: 978-981-125-854-1
2. Atanasiu, Dragu; Mikusiński, Piotr, Linear Algebra: Core Topics For The First Course, World Scientific, 2020, ISBN: 978-981-121-596-4
3. Atanasiu, Dragu; Mikusiński, Piotr, A Bridge to Linear Algebra, World Scientific, 2019, ISBN: 978-981-120-022-9
4. Mikusiński, Jan; Mikusiński, Piotr, An Introduction to Analysis, World Scientific, 2017, ISBN: 978-981-3202-61-0
5. Debnath, Lokenath; Mikusiński, Piotr, Introduction to Hilbert Spaces with Applications, Third Edition, Elsevier/ Academic Press, Inc., 2005. ISBN: 0-12-208438-1
6. Mikusiński, Piotr; Taylor, Michael D., An Introduction to Multivariable Analysis: From Vector to Manifold, Birkhauser, 2001. ISBN: 0-8176-4234-X
7. Debnath, Lokenath; Mikusiński, Piotr, Introduction to Hilbert spaces with applications, Second Edition, Academic Press, Inc., San Diego, CA, 1998. ISBN: 0-12-208436-5
8. Mikusiński, Jan; Mikusiński, Piotr, An Introduction to Analysis: From Number to Integral, John Wiley & Sons, Inc., New York, 1993. ISBN: 0-471-58988-8
9. Debnath, Lokenath; Mikusiński, Piotr, Introduction to Hilbert spaces with applications, Academic Press, Inc., Boston, MA, 1990. ISBN: 0-12-208435-7

Mathematics Research Papers

1. Bentley, J.; Mikusiński, P., Transfunctions applied to plans, Markov operators and optimal transport, *Annales Mathematicae Silesianae* 38 (2024), 76–93. doi.org/10.1515/math-2024-0090
2. Adu, N.; Mikusiński, P.; Richardson, G., Partial Actions on Convergence Spaces, *Mathematica Slovaca* 72 (2022), 1001–1016. doi: 10.1515/ms-2022-0070
3. Mikusiński, P.; Ward, J. P., On the Radon-Nikodym Property for Vector Measures and Extensions of Transfunctions, *Annales Mathematicae Silesianae* 35 (2020), 77–89. doi: 10.2478/amsil-2020-0022
4. Bentley, J.; Mikusiński, P., Localized Transfunctions, *International Journal of Applied Mathematics* 31 (2018), 689–707.
5. Mikusiński, P., Pseudoquotient extensions of measure spaces, arXiv:1805.12205.
6. Mikusiński, P., Transfunctions, arXiv:1507.03441.
7. Colebunders, E.; Boustique, H.; Mikusiński, P.; Richardson, G.; Convergence Approach Spaces: Actions, *Applied Categorical Structures* 24 (2016), 147–161. doi:10.1007/s10485-015-9390-2.
8. Katsevich, A.; Mikusiński, P., On De Graaf spaces of pseudoquotients, *Rocky Mountain J. Math.* 45 (2015), 1445–1455.
9. Atanasiu, D.; Mikusiński, P., An elementary operational calculus, *The Mathematical Gazette* 99 (2015), 54–59. doi:10.1017/mag.2014.7
10. Mikusiński, P., Integrals with values in Banach spaces and locally convex spaces, arXiv:1403.5209v4.
11. Atanasiu, D.; Mikusiński, P.; Siple, A., Pseudoquotients on commutative Banach algebras, *Banach J. Math. Anal.* 8 (2014), 60–66.
12. Burzyk, J.; Mikusiński, P., Distributions of finite order as a space of pseudoquotients, *Integral Transform. Spec. Funct.* 25 (2014), 318–323.
13. Katsevich, A.; Mikusiński, P., Order in spaces of pseudoquotients, *Topology Proceedings* 44 (2014), 21–31.
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15. Majeed, A.; Mikusiński, P., Derivations on pseudoquotients, *Ukrainian Mathematical Journal* 65 (2013), 959–966.

16. Beardsley, J.; Mikusiński, P., A Sheaf of Boehmians, *Ann. Polon. Math.* 107 (2013), 293–307.
17. Mikusiński, P.; Purtee, S., Connectedness in spaces of pseudoquotients, *Topology Proceedings* 40 (2012), 283–288.
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20. Boustique, H.; Mikusiński, P.; Richardson, G., Convergence Semigroup Categories, *Applied General Topology*, 11 (2010), 67–88.
21. Kim, H. J.; Mikusiński, P., On Convergence and Metrizability of Pseudoquotients, *Int. J. Mod. Math.* 5 (2010), 285–298.
22. Atanasiu, D.; Mikusiński, P., Fourier transform of Radon measures on locally compact groups, *Integral Transform. Spec. Funct.* 21 (2010), 815–821.
23. Boustique, H.; Mikusiński, P.; Richardson, G., Convergence Semigroup Actions: Generalized Quotients, *Applied General Topology*, 10 (2009), 173–186.
24. Mikusiński, P.; Taylor, M. D., Some Approximations of n -Copulas, *Metrika* 72 (2010), 385–414. DOI 10.1007/s00184-009-0259-y.
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Other Research Papers

1. Cakit, E.; Karwowski, W.; Bozkurt, H.; Ahram, T.; Thompson, W.; Mikusiński, P.; Lee, G.; Investigating the Relationship between Adverse Events and Infrastructure Development in an Active War Theater Using Soft Computing Techniques, *Applied Soft Computing* (2014). DOI: 10.1016/j.asoc.2014.09.028.
2. Andrzejczak, C.; Karwowski, W.; Mikusiński, P.; Application of diffusion maps to identify human factors of self-reported anomalies in aviation, *WORK: A Journal of Prevention, Assessment and Rehabilitation* 41 (2012), 188-197. DOI: 10.3233/WOR-2012-0155-188.