Сведения о научном руководителе диссертации
Штейнера Павла Михайловича
«Мажоризации матриц и их эндоморфизмы»

Научный руководитель: Гутерман Александр Эмилевич
Ученая степень: доктор физико-математических наук
Ученое звание: доцент
Должность: профессор
Место работы: Федеральное государственное бюджетное образовательное учреждение высшего образования «Московский государственный университет имени М.В. Ломоносова», механико-математический факультет, кафедра высшей алгебры
Адрес места работы: 119991, Москва, ГСП-1, Ленинские горы, д.1, механико-математический факультет
Тел.: 8 (495) 939-16-11.
E-mail: guterman@list.ru

Список основных научных публикаций по специальности 01.01.06 – «математическая логика, алгебра и теория чисел» за 2018-2022 годы:

1. Guterman, A., Maksaev, A, Promyslov V.V. Pairs of maps preserving singularity on subsets of matrix algebras // Linear Algebra and its Applications, 2022, 644, 1–27
2. Guterman, A., Johnson, M., Kambites, M., Maksaev, A. Linear functions preserving Green's relations over fields // Linear Algebra and its Applications, 2021, 611, 310–333
3. Guterman, A., Shteyner, P. Linear converters of weak, directional and strong majorizations // Linear Algebra and its Applications, 2021, 613, 320–346
4. Duffner, M.A., Guterman, A.E., Spiridonov, I.A. Converting immanants on skew-symmetric matrices // Linear Algebra and its Applications, 2021, 618, 76–96
5. Guterman A. E., Kudryavtsev D. K. Length function and characteristic sequences of quadratic algebras // Journal of Algebra, 2021, 579, 428–455
6. Arambašić, L., Guterman, A., Kuzma, B., Rajić, R., Zhilina S. Symmetrized Birkhoff–James orthogonality in arbitrary normed spaces // Journal of Mathematical Analysis and Applications, 2021, 502:1, 125203, 16 pp
7. Arambašić, L., Guterman, A., Kuzma, B., Rajić, R., Zhilina S. Operators preserving mutual strong Birkhoff-James orthogonality on B(H) // Linear Algebra and its Applications, 2021, 624, 27–43
8. Danielyan, S., Guterman, A., Ng T.W. Integrability of diagonalizable matrices and a dual Schoenberg type inequality // Journal of Mathematical Analysis and Applications, 2021, 498:2, 124909, 22 pp
9. Guterman, A.E., Maksaev, A.M. Upper bounds on scrambling index for non-primitive digraphs // Linear and Multilinear Algebra, 2021, 69:11, 2143–2168
10. Guterman A. E., Spiridonov I. A. Permanent Polya problem for additive surjective maps // Linear Algebra and Its Applications, 2020, 599, 140–155
11. Elyze, M., Guterman, A., Morrison, R., Šivic, K. Higher-distance commuting varieties // Linear and Multilinear Algebra, 2020
12. Dahl, G., Guterman, A., Shteyner, P. Majorization for (0,1)-matrices // Linear Algebra and its Applications, 2020, 585, 147–163
13. Guterman, A.E., Kudryavtsev, D.K. Upper bounds for the length of non-associative algebras // Journal of Algebra, 2020, 544, 483–497

14. Budrevich M.V., Guterman A.E. Kräuter conjecture on permanents is true // Journal of Combinatorial Theory – Ser. A, 2019, 162, 306–343
15. Guterman A.E., Lemos R., Soares G. More on geometry of Krein space C-numerical range // Applied Mathematics and Computation, 2019, 352, 258–269
16. Guterman, A., Mary, X., Shteyner, P. On Hartwig–Nambooripad orders // Semigroup Forum, 2019, 98, 64–74
17. Guterman A.E., Markova O.V., Mehrmann V. Length realizability for pairs of quasi-commuting matrices // Linear Algebra and its Applications, 2019, 568, 135–154
18. Budrevich M., Dolinar G., Guterman A., Kuzma B. Graph characterization of fully indecomposable nonconvertible (0,1)-matrices with minimal number of ones // Ars Mathematica Contemporanea, 2019, 17:1, 141–151
19. Dahl, G., Guterman, A., Shteyner, P. Majorization for matrix classes // Linear Algebra and Its Applications, 2018, 555, 201–221
20. Guterman A. E., Taranin K. A. On the values of the permanent of (0,1)-matrices // Linear Algebra and Its Applications, 2018, 552, 256–276
21. Guterman A.E., Laffey T., Markova O.V., Smigoc H. A resolution of Paz's conjecture in the presence of a nonderogatory matrix // Linear Algebra and its Applications, 2018, 543, 234–250
22. Guterman A., Johnson M., Kambites M. Linear isomorphisms preserving Green's relations for matrices over anti-negative semifields // Linear Algebra and Its Applications, 2018, 545, 1–14
23. Guterman A.E., Maksaev A.M. Maps preserving scrambling index // Linear and Multilinear Algebra, 2018, 69:4, 840–851

Ученый секретарь
диссертационного совета МГУ.011.4(МГУ.01.17)
д. ф.-м. н., профессор Гашков С.Б.