

Lista de lucrări

NUMELE ȘI PRENUMELE: Horobeț Emil

I. LISTA PUBLICAȚIILOR RELEVANTE

1. E. Horobeț, E. Teixeira Turatti, *When does subtracting a rank-one approximation decrease tensor rank?*, Linear Algebra and Its Applications, Volume 709 (2025), Pages 397-415.
2. E. Horobeț, *The critical curvature degree of an algebraic variety*, Journal of Symbolic Computation, Volume 121, March–April 2024, 102259.
3. E. Horobeț, J. I. Rodriguez, *Data loci in algebraic optimization*, Journal of Pure and Applied Algebra, Volume 226 (2022), Issue 12, Page 107144.
4. E. Horobeț, M. Weinstein, *Offset Hypersurfaces and Persistent Homology of Algebraic Varieties*, Computer Aided Geometric Design, Volume 74 (2019), Pages 101767
5. A. Boralevi, J. Draisma, E. Horobeț, E. Robeva, *Orthogonal and unitary tensor decomposition from an algebraic perspective*, J. Math., 222 (2017), 223-260, DOI: 10.1007/s11856-017-1588-6
6. E. Horobeț, *The Data Singular and the Data Isotropic Loci for Affine Cones*, Comm. Algebra, Volume 45 (2017), Issue 3, pp. 1177 – 1186.
7. E. Horobeț, J. I. Rodriguez, *The Maximum Likelihood Data Singular Locus*, J. Symbolic Comput., Volume 79 (2017), Part 1, pp. 99–107.
8. J. Draisma, E. Horobeț, *The average number of critical rank-one approximations to a tensor*, Linear Multilinear Alg., Volume 64 (2016), Issue 12, 2494 - 2514.
9. R. H. Eggermont, E. Horobeț, K. Kubjas, *Algebraic boundary of matrices of nonnegative rank at most three*, Linear Algebra Appl., Volume 508 (2016), 62-80.
10. J. Draisma, E. Horobeț, G. Ottaviani, B. Sturmfels, R.R. Thomas, *The Euclidean Distance Degree of an Algebraic Variety*, Found. Comput. Math., Volume 16, Issue 1(2016), 99-149.

II. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII

A. Teza de doctorat.

Instituție: Eindhoven University of Technology, Eindhoven, Olanda

Titlul disertației: Tensors of Low Rank

Conducător științific: Dr. Jan Draisma

Data obținerii titlului de doctor: 19.05.2016

ISBN: 978-90-386-4065-5

B. Cărți publicate

B1. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la edituri recunoscute în străinătate.

1. E. Horobeț, *Representation theory of skew group algebras*, Lambert Academic Publishing, Saarbrücken, Germany, 2011, ISBN: 978-384-6543-77-1

B2. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

B3. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la alte edituri sau pe plan local.

1. E. Horobeț, *Valószínűségsszámítás és statisztika, alkalmazások az informatika és a személyes pénzügyek területén*, Editura Pro Universitaria, Romania, 2025, ISBN: 978-606-26-2119-3.
2. E. Horobeț, *Abstract and linear algebra (for computer science students)*, in Hungarian, Letras Publishing, Romania, 2022, ISBN: 9786060716051.

3. Cs. Farkas, E. Horobeț, Sz. Szász, Cs. Tóth, *XVIII. Nemzetközi Magyar Matematikaverseny: Feladatok és megoldások*, Editura Mentor, Târgu-Mureș, 2019, ISBN: 978-606-8861-31-9.

B4. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

B5. Capitole de cărți publicate în străinătate

1. J. Draisma, E. Horobeț, G. Ottaviani, B. Sturmfels, R.R. Thomas, *The euclidean distance degree*, SNC'14 Proceedings of the 2014 Symposium on Symbolic-Numeric Computation, pp. 9-16, ISBN: 978-1-4503-2963-7, DOI: 10.1145/2631948.2631951.

B6. Capitole de cărți publicate în țară

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

1. E. Horobeț, E. Teixeira Turatti, *When does subtracting a rank-one approximation decrease tensor rank?*, Linear Algebra and Its Applications, Volume 709 (2025), Pages 397-415.
2. E. Horobeț, *The critical curvature degree of an algebraic variety*, Journal of Symbolic Computation, Volume 121, March–April 2024, 102259.
3. E. Horobeț, J. I. Rodriguez, *Data loci in algebraic optimization*, Journal of Pure and Applied Algebra, Volume 226 (2022), Issue 12, Page 107144.
4. E. Horobeț, M. Weinstein, *Offset Hypersurfaces and Persistent Homology of Algebraic Varieties*, Computer Aided Geometric Design, Volume 74 (2019), Pages 101767
5. A. Boralevi, J. Draisma, E. Horobeț, E. Robeva, *Orthogonal and unitary tensor decomposition from an algebraic perspective*, J. Math., 222 (2017), 223-260, DOI: 10.1007/s11856-017-1588-6
6. E. Horobeț, *The Data Singular and the Data Isotropic Loci for Affine Cones*, Comm. Algebra, Volume 45 (2017), Issue 3, pp. 1177 – 1186.
7. E. Horobeț, J. I. Rodriguez, *The Maximum Likelihood Data Singular Locus*, J. Symbolic Comput., Volume 79 (2017), Part 1, pp. 99–107.

8. J. Draisma, E. Horobeț, *The average number of critical rank-one approximations to a tensor*, Linear Multilinear Alg., Volume 64 (2016), Issue 12, 2494 - 2514.
9. R. H. Eggermont, E. Horobeț, K. Kubjas, *Algebraic boundary of matrices of nonnegative rank at most three*, Linear Algebra Appl., Volume 508 (2016), 62-80.
10. E. Horobeț, *An algorithm of constructing the basic algebra of a skew group algebra*, Math. Rep., 18(68), No. 3 (2016), 403-416.
11. J. Draisma, E. Horobeț, G. Ottaviani, B. Sturmfels, R.R. Thomas, *The Euclidean Distance Degree of an Algebraic Variety*, Found. Comput. Math., Volume 16, Issue 1(2016), 99-149.

C2. Lucrări științifice publicate în reviste indexate în baze de date internaționale (indicați și baza de date).

1. E. Horobeț, *Galois covering and smash product of skew categories*, Acta Univ. Sapientiae, Mathematica 5, No. 1(2013), pp. 47-53.
2. E. Horobeț, *Orbit decomposition of skew group algebras*, Mathematica, Tome 53(76), No. 2(2011), pp. 143 – 148.

C3. Lucrări științifice publicate în reviste din străinătate (altele decât cele menționate anterior).

C4. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS (altele decât cele din baze de date internaționale).

C5. Lucrări științifice publicate în reviste, altele decât cele menționate anterior

C6. Lucrări științifice publicate în volumele manifestărilor științifice

D. Traduceri de cărți, capitole de cărți, alte lucrări științifice

E. Editare, coordonare de volume

F. Brevete de invenții și alte titluri de proprietate

G. Contracte de cercetare (menționați calitatea de director sau membru)

Februarie 2024-Decembrie 2025:

Membru în echipă: “Singularities and Applications” - CF 132/31.07.2023 funded by the European Union - NextGenerationEU - through Romania’s National Recovery and Resilience Plan

Junie 2019 - Octombrie 2021:

Membru în echipă: proiect finanțat de Institutul Programelor de Cercetare al Fundației Sapientia, titlu: „Puncte critice: de la analiză la algebră II.”, valoare: 38000 RON.

Junie 2017 - Junie 2019:

Membru în echipă: proiect finanțat de Institutul Programelor de Cercetare al Fundației Sapientia, titlu: „Puncte critice: de la analiză la algebră I.”, valoare: 10000 RON.

Septembrie 2013 – Septembrie 2016:

Membru în echipă: Grant of the Ministry of National Education, CNCS-UEFISCDI, project number PN-II-ID-PCE-2012-4-0100, *Categorical and combinatorial methods in representation theory*.

Septembrie 2012 – August 2016:

Membru în echipă: Nederlandse Organisatie voor Wetenschappelijk Onderzoek (N.W.O.) Free Competition grant: *Tensors of bounded rank*.

H. Creația artistică

H1 Participări la manifestații artistice internaționale

H2. Participări la manifestații artistice naționale

- H3. Expoziții, filme, spectacole, concerte, discuri de autor, opere internaționale
H4. Expoziții, filme, spectacole, concerte, discuri de autor, opere naționale
H5. Produse cu drept de proprietate intelectuală în domeniul artistic

III. RECUNOAȘTEREA

D I. Premii, distincții.

1. Concursul Internațional de Matematică a Maghiarilor (2007, medalie de argint), Szeged, Ungaria
2. Concursul tinerilor cercetători organizat de Societatea de Inovații din Ungaria (2008, Mențiune), Titlu lucrare (modificat): Equichordal curves in higher dimension
3. BeNeLux Mathematical Congress Ph.D. prize (2016, selectat pentru echipa de prezentare)
4. Membru al organismului public extern al Academiei Maghiare de Științe din 2024.

J. Citări

CITĂRI ALE ARTICOLELOR PUBLICATE

Nr. crt.	Aricolul citat	Articolul și revista în care a fost citat	S_i (în 2021)	Nr. total citări
1.	E. Horobeț , E. Teixeira Turatti, <i>When does subtracting a rank-one approximation decrease tensor rank?</i> , Linear Algebra and Its Applications, Volume 709 (2025), Pages 397-415.	Bernardi, A., Oneto, A. and Santarsiero, P., 2025. Decomposition loci of tensors. Journal of Symbolic Computation, p.102451.	1.355	2
		Di Rocco, S., Gustafsson, L. and Sodomaco, L., 2025. Conditional Euclidean distance optimization via relative tangency. Mathematics of Computation.	2.273	
2.	E. Horobeț , <i>The critical curvature degree of an algebraic variety</i> , Journal of Symbolic Computation, Volume 121, March–April 2024, 102259	Di Rocco, S., Edwards, P.B., Eklund, D., Gäfvert, O. and Hauenstein, J.D., 2023. Computing geometric feature sizes for algebraic manifolds. <i>SIAM Journal on Applied Algebra and Geometry</i> , 7(4), pp.716-741.	2.344	1
3.	E. Horobeț , J. I. Rodriguez, <i>Data loci in algebraic optimization</i> , Journal of Pure and Applied Algebra, Volume 226 (2022), Issue 12, Page 107144	Kubjas, K., Sodomaco, L., & Tsigaridas, E. (2022). Exact solutions in low-rank approximation with zeros. Linear Algebra and its Applications, 641, 67-97	1.04	2
		Di Rocco, S., Gustafsson, L. and Sodomaco, L., 2025. Conditional Euclidean distance optimization via relative tangency. Mathematics of Computation.	2.273	
4.	E. Horobeț , M. Weinstein, <i>Offset Hypersurfaces and Persistent Homology of</i>	Breiding, P., Kališnik, S., Sturmfels, B., & Weinstein, M. (2018). Learning algebraic varieties from samples. Revista Matemática Complutense, 31, 545-593.	1.324	14

	<i>Algebraic Varieties</i> , Computer Aided Geometric Design, Volume 74 (2019), Page 101767	Maxim, L. and Tibăr, M., 2024. Euclidean distance degree and limit points in a Morsification. <i>Advances in Applied Mathematics</i> , 152, p.102597.	1.276	
		Di Rocco, S., Eklund, D., & Weinstein, M. (2020). The bottleneck degree of algebraic varieties. <i>SIAM Journal on Applied Algebra and Geometry</i> , 4(1), 227-253.	2.344	
		Ottaviani, G., Sodomaco, L., & Ventura, E. (2021). Asymptotics of degrees and ED degrees of Segre products. <i>Advances in Applied Mathematics</i> , 130, 102242.	1.276	
		Cholaquidis, A., Fraiman, R., & Moreno, L. (2023). Universally consistent estimation of the reach. <i>Journal of Statistical Planning and Inference</i> , 225, 110-120.	0.892	
		Maxim, L. G., Rodriguez, J. I., & Wang, B. (2020). Defect of Euclidean distance degree. <i>Advances in Applied Mathematics</i> , 121, 102101.	1.276	
		Ottaviani, G., & Sodomaco, L. (2020). The distance function from a real algebraic variety. <i>Computer Aided Geometric Design</i> , 82, 101927.	1.006	
		Di Rocco, S., Eklund, D., & Gäfvert, O. (2022). Sampling and homology via bottlenecks. <i>Mathematics of Computation</i> , 91(338), 2969-2995.	2.273	
		Cifuentes, D., Ranestad, K., Sturmfels, B., & Weinstein, M. (2022). Voronoi cells of varieties. <i>Journal of symbolic computation</i> , 109, 351-366.	1.131	
		Maxim, L. G., Rodriguez, J. I., & Wang, B. (2022). A Morse theoretic approach to non-isolated singularities and applications to optimization. <i>Journal of Pure and Applied Algebra</i> , 226(3), 106865.	1.222	
		Kališnik, S., Lehn, C., & Limic, V. (2021). Geometric and probabilistic limit theorems in topological data analysis. <i>Advances in Applied Mathematics</i> , 131, 102244.	1.276	
		Eklund, D. (2023). The numerical algebraic geometry of bottlenecks. <i>Advances in Applied Mathematics</i> , 142, 102416.	1.276	
		Sodomaco, L. (2021). On the product of the singular values of a binary tensor. <i>Israel Journal of Mathematics</i> , 243(1), 233-272.	1.691	
		13. Sánchez-Reyes, J., & Fernández-Jambrina, L. (2022). On the reach and the smoothness class of pipes and offsets: a survey. <i>AIMS Mathematics</i> , 7(5), 7742-7758.	0.738	
5.	A. Boralevi, J. Draisma, E. Horobeț, E. Robeva, <i>Orthogonal and unitary tensor decomposition from an algebraic perspective</i> , Israel Journal of Mathematics, 222 (2017),	Palmer, D., Bommers, D., & Solomon, J. (2020). Algebraic representations for volumetric frame fields. <i>ACM Transactions on Graphics (TOG)</i> , 39(2), 1-17.	4.512	17
		Bolsinov, A. V., Konyaev, A. Y., & Matveev, V. S. (2023). Applications of Nijenhuis geometry III: Frobenius pencils and compatible non-homogeneous Poisson structures. <i>The</i>	1.47	

223-260.	Journal of Geometric Analysis, 33(6), 193.	
	Vannieuwenhoven, N. (2017). Condition numbers for the tensor rank decomposition. <i>Linear Algebra and its Applications</i> , 535, 35-86.	1.04
	Breiding, P., & Vannieuwenhoven, N. (2018). The condition number of join decompositions. <i>SIAM Journal on Matrix Analysis and Applications</i> , 39(1), 287-309.	1.953
	Hu, S., & Ye, K. (2022). Linear convergence of an alternating polar decomposition method for low rank orthogonal tensor approximations. <i>Mathematical Programming</i> , 1-60.	4.612
	Turatti, E. (2022). On tensors that are determined by their singular tuples. <i>SIAM Journal on Applied Algebra and Geometry</i> , 6(2), 319-338.	2.344
	Pan, J., & Ng, M. K. (2018). Symmetric orthogonal approximation to symmetric tensors with applications to image reconstruction. <i>Numerical Linear Algebra with Applications</i> , 25(5), e2180.	1.386
	Draisma, J., Ottaviani, G., & Tocino, A. (2018). Best rank-k approximations for tensors: generalizing Eckart–Young. <i>Research in the Mathematical Sciences</i> , 5(2), 27.	2.121
	Robeva, E., & Seigal, A. (2017). Singular vectors of orthogonally decomposable tensors. <i>Linear and Multilinear Algebra</i> , 65(12), 2457-2471.	0.884
	Huang, H. L., Lu, H., Ye, Y., & Zhang, C. (2021). Diagonalizable higher degree forms and symmetric tensors. <i>Linear Algebra and its Applications</i> , 613, 151-169.	1.04
	Muller, T., Robeva, E., & Usevich, K. (2022). Robust Eigenvectors of Symmetric Tensors. <i>SIAM Journal on Matrix Analysis and Applications</i> , 43(4), 1784-1805.	1.953
	Halaseh, K., Muller, T., & Robeva, E. (2022). Orthogonal decomposition of tensor trains. <i>Linear and Multilinear Algebra</i> , 70(21), 6609-6639.	0.884
	Li, J., Usevich, K., & Comon, P. (2019). On approximate diagonalization of third order symmetric tensors by orthogonal transformations. <i>Linear Algebra and its Applications</i> , 576, 324-351.	1.04
	Palmer, D., Stein, O., & Solomon, J. (2021, August). Frame Field Operators. In <i>Computer Graphics Forum</i> (Vol. 40, No. 5, pp. 231-245).	2.473
	Koiran, P. (2021). Orthogonal tensor decomposition and orbit closures from a linear algebraic perspective. <i>Linear and Multilinear Algebra</i> , 69(13), 2353-2388.	0.884
	Diaz, S. P., & Lutoborski, A. (2022). Discrete Fourier transform tensors and their eigenvalues. <i>Linear and Multilinear Algebra</i> , 70(15), 2934-2947.	0.884

		Lia, J., Usevichb, K., & Comona, P. On diagonalization of third order symmetric tensors by orthogonal transformations. <i>Methods</i> , 3, 2	2.568	
6.	E. Horobeț , <i>The Data Singular and the Data Isotropic Loci for Affine Cones</i> , <i>Comm. Algebra</i> , Volume 45 (2017), Issue 3, pp. 1177 – 1186	Maxim, L. and Tibăr, M., 2024. Euclidean distance degree and limit points in a Morsification. <i>Advances in Applied Mathematics</i> , 152, p.102597.	1.276	5
		Di Rocco, S., Gustafsson, L. and Sodomaco, L., 2025. Conditional Euclidean distance optimization via relative tangency. <i>Mathematics of Computation</i> .	2.273	
		Maxim, L. G., Rodriguez, J. I., & Wang, B. (2020). Defect of Euclidean distance degree. <i>Advances in Applied Mathematics</i> , 121, 102101	1.276	
		Maxim, L. G., Rodriguez, J. I., & Wang, B. (2022). A Morse theoretic approach to non-isolated singularities and applications to optimization. <i>Journal of Pure and Applied Algebra</i> , 226(3), 106865.	1.222	
		Helmer, M., & Sturmfels, B. (2018). Nearest points on toric varieties. <i>Mathematica Scandinavica</i> , Vol. 122 No. 2.	0.757	
7.	J.Draisma, E. Horobeț , <i>The average number of critical rank-one approximations to a tensor</i> , <i>Linear Multilinear Alg.</i> , Volume 64 (2016), Issue 12, 2494 - 2514	Cazzaniga, A., Lerario, A. and Rosana, A., 2024. What is the probability that a random symmetric tensor is close to rank-one?. <i>SIAM Journal on Applied Algebra and Geometry</i> , 8(2), pp.227-258.	2.344	6
		Bürgisser, Peter, and Antonio Lerario. "Probabilistic schubert calculus." <i>Journal für die reine und angewandte Mathematik (Crelles Journal)</i> (2018).	3.629	
		Ottaviani, G., Sodomaco, L., & Ventura, E. (2021). Asymptotics of degrees and ED degrees of Segre products. <i>Advances in Applied Mathematics</i> , 130, 102242.	1.276	
		Breiding, P. (2017). The expected number of eigenvalues of a real Gaussian tensor. <i>SIAM Journal on Applied Algebra and Geometry</i> , 1(1), 254-271.	2.344	
		Breiding, P. (2019). How many eigenvalues of a random symmetric tensor are real?. <i>Transactions of the American Mathematical Society</i> , 372(11), 7857-7887.	2.332	
		Qi, Y. (2018). A very brief introduction to nonnegative tensors from the geometric viewpoint. <i>Mathematics</i> , 6(11), 230.	0.634	
8.	R. H. Eggermont, E. Horobeț , <i>K. Kubjas, Algebraic boundary of matrices of nonnegative rank at most three</i> , <i>Linear Algebra Appl.</i> , Volume 508 (2016), 62-80	Kubjas, Kaie, Elina Robeva, and Bernd Sturmfels. "Fixed points EM algorithm and nonnegative rank boundaries." <i>The Annals of Statistics</i> (2015): 422-461.	4.874	3
		Chistikov, D., Kiefer, S., Marusic, I., Shirmohammadi, M., & Worrell, J. (2017). Nonnegative matrix factorization requires irrationality. <i>SIAM Journal on Applied Algebra and Geometry</i> , 1(1), 285-307.	2.344	

		Shitov, Y. (2021). Nonnegative rank depends on the field. <i>Mathematical Programming</i> , 186(1-2), 479-486.	4.612	
9.	J. Draisma, E. Horobet, G. Ottaviani, B. Sturmfels, R.R. Thomas, <i>The Euclidean Distance Degree of an Algebraic Variety</i> , Found. Comput. Math., Volume 16, Issue 1(2016), 99-149	Connelly, E., Duff, T. and Loucks-Tavitas, J., 2024. Algebra and geometry of camera resectioning. <i>Mathematics of Computation</i> .	2.273	88
		Di Rocco, S., Gustafsson, L. and Sodomaco, L., 2025. Conditional Euclidean distance optimization via relative tangency. <i>Mathematics of Computation</i> .	2.273	
		Kohn, K., Sattelberger, A.L. and Shahverdi, V., 2025. Geometry of linear neural networks: Equivariance and invariance under permutation groups. <i>SIAM Journal on Matrix Analysis and Applications</i> , 46(2), pp.1378-1415.	1.953	
		Agarwal, S., Duff, T., Lieblisch, M. and Thomas, R.R., 2024. An atlas for the pinhole camera. <i>Foundations of Computational Mathematics</i> , 24(1), pp.227-277.	5.223	
		Maxim, L. and Tibăr, M., 2024. Morse numbers of complex polynomials. <i>Journal of Topology</i> , 17(4), p.e12362.	3.352	
		Améndola, C., Gustafsson, L., Kohn, K., Marigliano, O. and Seigal, A., 2024. Differential equations for Gaussian statistical models with rational maximum likelihood estimator. <i>SIAM Journal on Applied Algebra and Geometry</i> , 8(3), pp.465-492.	2.344	
		Muller, T., Nanda, V. and Seigal, A., 2025. Multilinear hyperquiver representations. <i>Foundations of Computational Mathematics</i> , pp.1-43.	5.223	
		Nasonov, I., Panina, G. and Siersma, D., 2024. Concurrent normals problem for convex polytopes and Euclidean distance degree. <i>Acta Mathematica Hungarica</i> , pp.1-17.	0.724	
		Himmelman, M. and Evans, M.E., 2024. Robust geometric modeling of 3-periodic tensegrity frameworks using Riemannian optimization. <i>SIAM Journal on Applied Algebra and Geometry</i> , 8(2), pp.259-283.	2.344	
		Maxim, L. and Tibăr, M., 2024. Euclidean distance degree and limit points in a Morsification. <i>Advances in Applied Mathematics</i> , 152, p.102597.	1.276	
		Maxim, L.G., Rodriguez, J.I., Wang, B. and Wu, L., 2024. Linear optimization on varieties and Chern-Mather classes. <i>Advances in Mathematics</i> , 437, p.109443.	3.091	
		Sodomaco, L. and Turatti, E.T., 2024. The span of singular tuples of a tensor beyond the boundary format. <i>Journal of Symbolic Computation</i> , 120, p.102230.	1.131	
		Alexandr, Y. and Hoşten, S., 2024. Logarithmic Voronoi cells for Gaussian models. <i>Journal of Symbolic Computation</i> , 122, p.102256.	1.131	

	Ye, K., & Lim, L. H. (2016). Schubert varieties and distances between subspaces of different dimensions. <i>SIAM Journal on Matrix Analysis and Applications</i> , 37(3), 1176-1197	1.953	
	Breiding, P., Kališnik, S., Sturmfels, B., & Weinstein, M. (2018). Learning algebraic varieties from samples. <i>Revista Matemática Complutense</i> , 31, 545-593	1.324	
	Gross, E., Harrington, H. A., Rosen, Z., & Sturmfels, B. (2016). Algebraic systems biology: a case study for the Wnt pathway. <i>Bulletin of mathematical biology</i> , 78, 21-51.	1.778	
	Barvinok, A. (2016). Computing the permanent of (some) complex matrices. <i>Foundations of Computational Mathematics</i> , 16, 329-342.	5.223	
	Maxim, L. G., Rodriguez, J. I., & Wang, B. (2020). Euclidean distance degree of the multiview variety. <i>SIAM Journal on Applied Algebra and Geometry</i> , 4(1), 28-48.	2.344	
	Henrion, D., Naldi, S., & El Din, M. S. (2016). Exact algorithms for linear matrix inequalities. <i>SIAM Journal on Optimization</i> , 26(4), 2512-2539.	3.854	
	Cifuentes, D., Harris, C., & Sturmfels, B. (2020). The geometry of SDP-exactness in quadratic optimization. <i>Mathematical programming</i> , 182(1-2), 399-428.	4.612	
	Ottaviani, G., Spaenlehauer, P. J., & Sturmfels, B. (2014). Exact solutions in structured low-rank approximation. <i>SIAM Journal on Matrix Analysis and Applications</i> , 35(4), 1521-1542	1.953	
	Bürgisser, P., & Lerario, A. (2020). Probabilistic schubert calculus. <i>Journal für die reine und angewandte Mathematik (Crelles Journal)</i> , 2020(760), 1-58.	3.629	
	Saunderson, J. (2019). Certifying polynomial nonnegativity via hyperbolic optimization. <i>SIAM Journal on Applied Algebra and Geometry</i> , 3(4), 661-690.	2.344	
	Çelik, T. Ö., Jamneshan, A., Montúfar, G., Sturmfels, B., & Venturello, L. (2021). Wasserstein distance to independence models. <i>Journal of symbolic computation</i> , 104, 855-873	1.131	
	Compagnoni, M., Notari, R., Antonacci, F., & Sarti, A. (2014). A comprehensive analysis of the geometry of TDOA maps in localization problems. <i>Inverse Problems</i> , 30(3), 035004	1.502	
	Di Rocco, S., Eklund, D., & Weinstein, M. (2020). The bottleneck degree of algebraic varieties. <i>SIAM Journal on Applied Algebra and Geometry</i> , 4(1), 227-253.	2.344	
	Breiding, P., & Vannieuwenhoven, N. (2021). The condition number of Riemannian approximation problems. <i>SIAM Journal on Optimization</i> , 31(1), 1049-1077.	3.854	
	Drusvyatskiy, D., Lee, H. L., Ottaviani, G., & Sturmfels, B. (2021). The geometry of SDP-exactness in quadratic optimization. <i>Mathematical programming</i> , 182(1-2), 399-428.	1.691	

	G., & Thomas, R. R. (2017). The Euclidean distance degree of orthogonally invariant matrix varieties. <i>Israel Journal of Mathematics</i> , 221(1), 291-316.	
	Pfeffer, M., Seigal, A., & Sturmfels, B. (2019). Learning paths from signature tensors. <i>SIAM Journal on Matrix Analysis and Applications</i> , 40(2), 394-416.	1.953
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		TOTAL CITĂRI: 138		

K. Alte realizări semnificative.

**Data,
25.09.2025**

Semnătura,