

Списък на забелязани цитирания на публикациите

на гл. ас. д-р Ирина Георгиева, ИМИ - БАН

B. Bojanov, I. Georgieva, *Interpolation by bivariate polynomials based on Radon projections*, *Studia Mathematica*, 2004, 162(2), 141-160, ISSN: 0039-3223, <http://doi.org/10.4064/sm162-2-3>.

цитирана в

1. Image reconstruction by OPED algorithm with averaging. Y. Xu, O. Tischenko, C. Hoeschen, Numerical Algorithms 2007, Springer, vol.45, 179-193, <https://doi.org/10.1007/s11075-007-9089-z>, **IF 0.527**.
2. Reconstruction from Radon projections and orthogonal expansion on a ball. Y. Xu, Journal of Physics A: Mathematical and Theoretical, 2007, 40 7239-7253, DOI <https://doi.org/10.1088/1751-8113/40/26/010>, **IF 1.680**.
3. Fast OPED algorithm for reconstruction of images from Radon data. Y. Xu, O. Tischenko, East. J. Approx. 12 (2007), 427-444.
4. Cubature Formulae for the disk using Radon projections. G. Nikolov, East Journal on approximations, vol. 14, N 4(2008) 401-410.
5. Sampling schemes for multidimensional signals with finite rate of innovation. P. Shukla, P.L. Dragotti, Signal Processing, IEEE Transactions on Signal Processing, Volume 55, Issue 7, 2007, 3670 - 3686, <http://ieeexplore.ieee.org/document/4244728/>.
6. Sampling schemes for multidimensional nonbandlimited signals. P.D. Shukla, 2007, commsp.ee.ic.ac.uk -phD thesis http://www.commsp.ee.ic.ac.uk/~pld/group/PhDThesis_PDSukla07.pdf
7. OPED reconstruction algorithm for limited angle problem. Y. Xu, O. Tischenko, Journal of Inverse and Ill-posed Problems 17.8 (2009): 795-813, **SJR 0.385**.
8. Summability of Fourier orthogonal expansions and a discretized Fourier orthogonal expansion involving Radon projections for functions on the cylinder. J. Wade, Diss. University of Oregon, 2009 (PhD thesis), <https://scholarsbank.uoregon.edu/xmlui/handle/1794/10245>.

9. A discretized Fourier orthogonal expansion in orthogonal polynomials on a cylinder. J. Wade, Journal of Approximation Theory 162.9 (2010): 1545-1576, **IF 0.71**.
10. Main features of the tomographic reconstruction algorithm OPED. Tischenko, O., Y. Xu, and C. Hoeschen, Radiation protection dosimetry 139.1-3 (2010), 204-207, <https://doi.org/10.1093/rpd/ncq023>, **IF 0.966**.
11. Elements of Interpolation Theory, Mircea Ivan, 2004, Cluj-Napoca, Mediamira Science Publishing. (book).
12. Interpolation by bivariate polynomials based on weighted Radon projections. Zhou, H. 2007 Journal of Information and Computational Science 4 (2), 889-894, **SJR 0.138**.
13. Hyperinterpolations on the sphere, PhD thesis, Xingming Chu, 2014, Department of Mathematical and Statistical Sciences, University of Alberta, <https://era.library.ualberta.ca/downloads/n583xw46w>
14. Asymptotic behavior of interpolation polynomials of harmonic functions based on radon projections, Van Manh, P. Calcolo, 2017, 2017, Volume 54, Issue 3, 881–902, <https://doi.org/10.1007/s10092-017-0212-9>, **IF 1.407**.
15. Fast and exact $2d$ image reconstruction based on Hakopian interpolation. X. Sun, X. Liang, Applied Numerical Mathematics, Volume 121, November 2017, Pages 185-197, <https://doi.org/10.1016/j.apnum.2017.07.002>, **IF 1.087**.
16. Harmonic interpolation of Hermite type based on Radon projections in two directions, Van Manh P., Journal of Mathematical Analysis and Applications, 2017, Vol. 454(2), 481-501, <https://doi.org/10.1016/j.jmaa.2017.05.007>, **IF 1.064**.

I. Georgieva and S. Ismail, *On recovering of a bivariate polynomial from its Radon projections*. In Constructive theory of functions, Varna 2005 (B. Bojanov, Ed.), 127–134, Marin Drinov Acad. Publ. House, Sofia, 2006.

цитирана в

17. Cubature Formulae for the disk using Radon projections. G. Nikolov, East Journal on Approximations, vol. 14, N 4 (2008), 401-410.

I. Georgieva, R. Uluchev, *Smoothing of Radon projections type of data by bivariate polynomials*, Journal of Computational and Applied Mathematics 215 (2008) 167-181, 2008, <https://doi.org/10.1016/j.cam.2007.04.002>, IF 1.048

цитирана в

18. Cubature Formulae for the disk using Radon projections, G Nikolov, East Journal on Approximations, vol. 14, N 4 (2008), 401-410.

I. Georgieva, R. Uluchev, *Surface reconstruction and Lagrange basis polynomials*, In: Large-Scale Scientific Computing. LSSC 2007, Lecture Notes in Computer Sciences, 2008, Springer-Verlag, Vol. 4818, 670-678, https://doi.org/10.1007/978-3-540-78827-0_77, SJR 0.281.

цитирана в

19. Cubature Formulae for the disk using Radon projections. G Nikolov, East Journal on Approximations, vol. 14, N 4 (2008), 401-410.

I. Georgieva, R. Uluchev, *On interpolation in the unit disk based on both Radon projections and function values*, In: Lirkov I., Margenov S., Waśniewski J. (eds) Large-Scale Scientific Computing. LSSC 2008. Lecture Notes in Computer Science, 2010, Vol. 5910, 747-755, Springer, Berlin, Heidelberg, https://doi.org/10.1007/978-3-642-12535-5_89, SJR 0.314.

цитирана в

20. Smooth partition of unity with Hermite interpolation: applications to image processing. Dechevsky, L., P Zanaty, B Bang, A Lakså, IS&T/SPIE Electronic Imaging, International Society for Optics and Photonics, 2012, <http://dx.doi.org/10.1117/12.909847>.

A. Karamanov, I. Georgieva, R. Pascova, I. Avramov, *Pore formation in glass-ceramics: Influence of the stress energy distribution*, Journal of Non-Crystalline Solids, Elsevier, 2010 Vol. 356(2), 117-119, <https://doi.org/10.1016/j.jnoncrysol.2009.10.004>, IF 1.483.

цитирана в

21. A Global Glassy Layer on BaAl₂B₂O₇ Crystals Formed during Surface Crystallization of BaO·Al₂O₃·B₂O₃ Glass. Wisniewski, Wolfgang, et al., Crystal Growth & Design 12.3 (2012), 1586-1592, <https://doi.org/10.1021/cg2016325>, IF 4.055.

22. Oriented Nucleation of Diopside Crystals in Glass. W. Wisniewski, Wolfgang, K. Otto, C. Rüssel. *Crystal Growth & Design* 12.10 (2012): 5035-5041, <https://doi.org/10.1021/cg3009909>, IF 4.689.
23. Investigation of sinterability and crystallization of SiO₂-CaO-MgO-Al₂O₃ glass–ceramic with TiO₂ additive. M. Rezvani, *Majlesi Journal of Materials Engineering* 6.2 (2013), IF 1.094.
24. A continuum thermo-inelastic model for damage and healing in self-healing glass materials, Xu, W., Sun, X., Koeppl, B.J., Zbib, H.M., *International Journal of Plasticity*, 2014, volume 62, issue, 1-16, <https://doi.org/10.1016/j.ijplas.2014.06.011>, IF 5.082.
25. Stress induced pore formation and phase selection in a crystallizing stretched glass, V.M. Fokin, A.S. Abyzov, J.W.P. Schmelzer, E.D. Zanolto, *Journal of Non-Crystalline Solids*, 2010, Volume 356, Issues 33–34, 1679-1688, <https://doi.org/10.1016/j.jnoncrysol.2010.06.008>, IF 1.483.
26. Plano operacional para fabricação de pastilhas de vidro soda-cal contendo resíduos derivados dos processos de pintura eletrostática e indústria galvânica. A.F. Félix, 2016, PhD thesis, <http://repositorio.ufop.br/handle/123456789/7456>.
27. Efeito do tamanho e forma das partículas na cinética de cristalização de pó de vidro de diopsídeo detectada por DSC (The effect of particle size and shape in the crystallization kinetics of diopside glass powders detected by DSC), R. G. Fernandes, PhD thesis, Escola de Engenharia de São Carlos, 2017, <http://www.teses.usp.br/teses/disponiveis/18/18158/tde-12042017-161520/en.php>.

Á. Fekete, I. Georgieva, F. Móricz, *Characterizations of the convergence of harmonic averages of double numerical sequences*, *Mathematical Inequalities & Applications*, 2011 Vol. 14, Nr. 3, 555-573, <https://doi.org/10.7153/mia-14-48>, IF 0.558.

цитирана в

28. On weighted averages of double sequences. I. Fazekas, T. Tómacs, *Annales Mathematicae et Informaticae*, Vol.39 (2012) pp. 71–81, Proceedings of the Conference on Stochastic Models and their Applications, Faculty of Informatics, University of Debrecen, Debrecen, Hungary, August 22–24, 2011. http://ami.ektf.hu/uploads/papers/finalpdf/AMI_39_from71to81.pdf

I. Georgieva, C. Hofreither, *Cubature rules for harmonic functions based on Radon projections*, Calcolo, Springer Milan, 2015, Vol. 52 (2), 153-166, <https://doi.org/10.1007/s10092-014-0111-2>, IF 0.816.

цитирана в

29. Extended Gaussian type cubatures for the ball, Hao Nguyen, Guergana Petrova, Journal of Computational and Applied Mathematics, 2015, Volume 290, 209–223, <https://doi.org/10.1016/j.cam.2015.05.010>, IF 1.266.
30. Asymptotic behavior of interpolation polynomials of harmonic functions based on radon projections, Van Manh, P. Calcolo, 2017, Volume 54, Issue 3, 881–902, <https://doi.org/10.1007/s10092-017-0212-9>, IF 1.407.
31. Harmonic interpolation of Hermite type based on Radon projections in two directions, Van Manh P., Journal of Mathematical Analysis and Applications, 2017, Vol. 454(2), 481-501, <https://doi.org/10.1016/j.jmaa.2017.05.007>, IF 1.064.

I. Georgieva, C. Hofreither, and R. Uluchev, *Interpolation of mixed type data by bivariate polynomials*. In Constructive Theory of Functions, Sozopol 2010: In memory of Borislav Bojanov, (G. Nikolov and R. Uluchev, Eds.), 93-107. Prof. Marin Drinov Academic Publishing House, Sofia, 2012.

цитирана в

32. Some results according the interlacing the zeros of a function, A.M.Luca (Ritea); F.V.TRIPȘA, Scientific Research & Education in the Air Force - AFASES. 2016, Vol. 1, 463-469.

I. Georgieva, C. Hofreither, *New results on regularity and errors of harmonic interpolation using Radon projections*, Journal of Computational and Applied Mathematics, 2016, Vol. 293, 73-81, <https://doi.org/10.1016/j.cam.2015.02.056>, IF 1.357.

цитирана в

33. On polynomial interpolation of bivariate harmonic polynomials, Van Manh, P., Comptes Rendus Mathematique (C. R. Sci. Paris, Ser.I 355, 2017), Elsevier, 28-33, ISSN: 1631-073X, <http://dx.doi.org/10.1016/j.crma.2016.11.008>, IF 0.396.
34. Asymptotic behavior of interpolation polynomials of harmonic functions based on Radon projections, Van Manh, P. Calcolo, 2017, Volume 54, Issue 3, 881–902, <http://dx.doi.org/10.1007/s10092-017-0212-9>, IF 1.407.

35. Harmonic interpolation of Hermite type based on Radon projections in two directions, Van Manh P., Journal of Mathematical Analysis and Applications, 2017, Vol. 454(2), 481-501, <https://doi.org/10.1016/j.jmaa.2017.05.007>, IF 1.064.

I. Georgieva, C. Hofreither, *Interpolation of harmonic functions based on Radon projections*, Numerische Mathematik, 2014, Vol. 27(3), 423-445, <http://dx.doi.org/10.1007/s00211-013-0592-y>, IF 1.608.

цитирана в

36. On polynomial interpolation of bivariate harmonic polynomials, Van Manh, P., Comptes Rendus Mathematique (C. R. Sci. Paris, Ser.I 355, 2017), Elsevier, 28-33, ISSN: 1631-073X, <http://dx.doi.org/10.1016/j.crma.2016.11.008>, IF 0.396.
37. Asymptotic behavior of interpolation polynomials of harmonic functions based on radon projections, Van Manh, P. Calcolo, 2017, Volume 54, Issue 3, 881-902, <http://dx.doi.org/10.1007/s10092-017-0212-9>, IF 1.407.
38. Harmonic interpolation of Hermite type based on Radon projections in two directions, Van Manh P., Journal of Mathematical Analysis and Applications, 2017, Vol. 454(2), 481-501, <https://doi.org/10.1016/j.jmaa.2017.05.007>, IF 1.064.

I. Georgieva, C. Hofreither, *Interpolating solutions of the Poisson equation in the disk based on Radon projections*, Journal of Mathematical Analysis and Applications, 2015, Vol. 423(1), 305-317, <https://doi.org/10.1016/j.jmaa.2014.09.031>, IF 1.064.

цитирана в

39. Harmonic interpolation of Hermite type based on Radon projections in two directions, Van Manh P., Journal of Mathematical Analysis and Applications, 2017, Vol. 454(2), 481-501, <https://doi.org/10.1016/j.jmaa.2017.05.007>, IF 1.064.

I. Georgieva, C. Hofreither, *On best uniform approximation by low-rank matrices*, Linear Algebra and its Applications, 2017, Vol. 518, 159-176, <https://doi.org/10.1016/j.laa.2016.12.034>, IF 0.973.

цитирана в

40. Numerical analysis of the accuracy of bivariate quantile distributions utilizing copulas compared to the GUM supplement 2 for oil pressure balance uncertainties, Vishal Ramnath, International Journal of Metrology and Quality Engineering, Vol. 8 (2017). art. n. 29, <https://doi.org/10.1051/ijmqe/2017018>, SJR 0.246.

I. Georgieva, C. Hofreither, T. Ilieva, T. Ivanov, S. Nakov, *Problems and final reports: Laboratory calibration of a MEMS accelerometer sensor*, European Study Group with Industry'95 (ESGI'95), September 23 - 27, 2013, Sofia, Bulgaria, Published by Demetra Ltd. 2013, ISBN 978-954-9526-84-4., 61-85.

цитирана в

41. Real-Time Telemetry System for Monitoring Motion of Ships Based on Inertial Sensors, J. M. Nunez, M. G. Araujo, I. Garcia-Tunon, *Sensors* 2017, 17(5), 948; <http://dx.doi.org/10.3390/s17050948>, IF 2.677.



/Ирина Георгиева/