Lista de lucrări

Numele şi prenumele: Kupán A. Pál

A. Teza de doctorat. ***Scheme de aproximare cu restricţii bazate pe funcţii spline***

B. Cărti publicate

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

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

Kupán A. Pál, *Lineáris algebra és alkalmazásai*, Scientia Kiadó, 2019.

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

Minuţ, P., Kupán, A.P., *Cercetări operaţionale*, Ed. "Dimitrie Cantemir" Tg. Mures, 2001.

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

Kupán, A.P., Nagy Zs., *Matematika és informatika a kertészetben-jegyzet*, https://moodle.ms.sapientia.ro/mod/folder/view.php?id=9543

Kupán, A.P. *Numerikus módszerek-jegyzet*, https://moodle.sapidoc.ms.sapientia.ro/mod/resource/view.php?id=969

B5. Capitole de cărţi publicate în străinătate

B6. Capitole de cărţi publicate în ţară

C. Lucrări ştiinţifice publicate

C1. Lucrări ştiinţifice publicate în reviste cotate ISI

Kása, Z.; Kupán, A. P.; Patcas, Cs. Gy. Methods for the graph realization problem, *Acta Univ. Sapientiae Informatica* 15/2 (2023), 267-293

Cotarla, L.I.; Kupán, A.P.; Szász, R. New Results about Radius of Convexity and Uniform Convexity of Bessel Functions, *Axioms, 11/*8, 380, (2022) https://doi.org/10.3390/axioms11080380

Kupán, A.P., About strong starlikeness conditions, *Filomat*, 32/6, (2018), 2035-2042.

Kupán, A. P., Szász, R., Monotonicity results and a sharp upper bound for the Gamma function, *Integral Transforms Spec. Funct*. 25/7, (2014), 562-570.

Kupán, A.P., Szász, R., Monotonicity theorems and inequalities for the gamma function, *Math. Ineq. Appl*. 17/1, (2014), 149-159.

Baricz, Á., Kupán, A.P., Szász, R., The radius of starlikeness of normalized Bessel functions of the first kind, *Proc. Amer. Math. Soc.* 142, (2014), 2019-2025.

Szász, R., Kupán, A.P., A sharp inequality concerning the Gamma function, *Integral Transforms Spec. Funct*. 24/6, (2013), 502-508.

Szász, R., Kupán, A.P., Imre, A., Improvement of a criterion for starlikeness, *Rocky Mountain J. Math*., 42/2, (2012), 759-772.

Szász, R., Kupán, A.P., The exact order of starlikeness of uniformly convex functions, *Comput. Math. Appl*., 62/1, (2011), 173-186.

Faraci, F., Iannizzotto, A., Kupán, A.P., Varga, Cs., Existence and Multiplicity Results for Hemivariational Inequalities with two Parameters, *Nonlinear Anal.*, 67/9, (2007), 2654-2669.

C2. Lucrări ştiinţifice publicate în reviste indexate în baze de date internaţionale (indicaţi şi baza de date).

Kupán, A.P., Márton, Gy., Szász, R., A result regarding monotonicity of the Gamma function, *Acta Universitatis Sapientiae, Mathematica*, **9**/2, (2017), 291−302.

Engel, O., Kupán, A.P., Páll-Szabó, A., About the radius of convexity of some analytic functions, *Creat. Math. and Inform.*, 24/2, (2015), 157-163.

Szász, R., Kupán, A.P., About a condition for starlikeness, *Acta Univ. Sapientiae, Math.*, 5/1, (2013), 83-92.

Kupán, A.P., Szász, R., A remark regarding a starlikeness condition, *Appl. Math. Sci.(Ruse)*, 7/56, (2013), 2759-2767.

Kupán, A.P., Szász, R., About bounds for the elliptic integral of the first kind, *Rev. Anal. Numer. Theor. Approx*., 41/2, (2012), 149-156.

Kupán, A.P., Szász, R., About a condition for starlikeness, *Ann. Univ. Sci. Budapest., Sect. Comput.*, **37**, (2012), 261-274.

Kupán, A.P., Szász, R., Alexander transform of close-to-convex functions, *Stud. Univ. Babes-Bolyai, Math.* (2010), LV/2, 151-158.

Szász, R., Kupán, A.P., Geometric properties of a particular function, *Mathematica (Cluj)*, 51(74)/2, (2009), 173-180.

Szász, R., Kupán, A.P., About the univalence of the Bessel functions, *Stud. Univ. Babes-Bolyai, Math*., LIV/1**,** (2009), 127-132. (Mathematical Reviews, Zentralblatt für Mathematik.)

Kupán, A.P., Shape preserving quadratic interpolation at Greville abscissae, *Creat. Math. and Inform.*, 17/2, (2008), 56-66. (Mathematical Reviews, Zentralblatt für Mathematik.)

Kupán, A.P., Monotone interpolant built with slopes obtained by linear combination, LIII/2, *Stud. Univ. Babes-Bolyai, Math*. (2008), 59-66. (Mathematical Reviews, Zentralblatt für Mathematik.)

Varga, Cs., Kupán, A.P., Székely, I., Multiple solutions for a class of parametrized elliptic problems with singular and sublinear potentials, *An. Univ. Vest Timis. Ser. Mat.-Inform.*, XLV/2, (2007), 231-242. (Mathematical Reviews, Zentralblatt für Mathematik.)

C3. Lucrări ştiinţifice publicate în reviste din străinătate (altele decât cele menţionate anterior).

C4. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS (altele decât cele din baze de date internaţionale).

Kupán, A.P., Shape preserving Gordon surface, *Sci. Bull. of the Petru Maior Univ. Tg. Mures*, 3, (2007), 105-112.

C5. Lucrări ştiinţifice publicate în reviste, altele decât cele menţionate anterior

Kupán P., Bencze M., Nagy Örs, et al.: V. Erdélyi Magyar Matematikaverseny, 5-8. évfolyam, Idea Studio, Szatmárnémeti, 2017

Kupán, A.P., Szász R., Imre A., A remark on inequalities between means, *Octogon Mathematical Magazine*, 19/2, (2011), 544-550.

Kupán, A.P., Szász R., Inequalities between pondered means, *Octogon Mathematical Magazine*, 19/1, (2011), 28-36.

Szász, R., Kupán, A.P., Solution of the OQ 2283, *Octogon Mathematical Magazine*, 17/1, (2009), 464-471.

Kupán, A.P., Aproximarea funcţiilor economice prin polinoame, *Ann. Univ. "Dimitrie Cantemir", Tg.Mureş*, (2001), 148-152.

Kupán, A.P., Rezolvarea cu ajutorul grafelor a problemelor de transport cu capacităţi limitate, *Ann. Univ. "Dimitrie Cantemir", Tg.Mureş*, (1998), 163-170.

C6. Lucrări ştiinţifice publicate în volumele manifestărilor ştiinţifice

Kupán, A.P., Monotone spline interpolation using function sequences, *Proc. of "miroCAD 2006" Int. Sci. Conf., Miskolc, Section G*, (2006), 71-78.

D. Traduceri de cărţi, capitole de cărţi, alte lucrări ştiinţifice

Kása Z., Kupán, A.P., *Graph reconstruction from degree sequences*, Conferinţă Internat. MathInfo-Tg. Mures, 2017.

Nagy, H., Kupán, A.P., *Improving the students performance using digital tools*, Conferință Internat. CADGME, 2016.

Kupán, A.P., *A gamma függvényre vonatkozó egyenlőtlenségek javítása*, conferinţă MatInfo-Tg. Mures, 2013.

Kupán, A.P, *Iterative methods solved with GeoGebra*, conferinţă IGGCW-Miskolc, 2011.

Kupán, A.P., *Lineáris transzformációk GeoGebrával*, conferinţă MTNE-Sovata, 2011.

E. Editare, coordonare de volume

F. Invenţii.

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

2015-2016: Stelaritatea si convexitatea functiilor analitice (membru)
2011-2014: Imbunătăţirea unor inegalităţi legate de funcţia gamma şi aplicaţii (director)
2008-2009: Probleme legate de inegalităţi între medii (membru)
2007-2008: Studii legate de stelaritate şi convexitate (membru)
2006-2007: Sisteme de ecuaţii liniare infinite (membru)
2005-2006: Inegalităţi hemivariaţionale rezolvate cu metode numerice (membru)

H. Creaţia artistică

H1 Participări la manifestaţii artistice internaţionale

H2. Participări la manifestaţii artistice naţionale

H3. Expoziţii, filme, spectacole, concerte, discuri de autor, opere internaţionale

H4. Expoziţii, filme, spectacole, concerte, discuri de autor, opere naţionale

H5. Produse cu drept de proprietate intelectuală în domeniul artistic

D
E **I. Premii, distincţii.**

J. Citări

Numărul citărilor: 100, din care în ultimii cinci ani: 88.
https://scholar.google.com/citations?hl=hu&user=jRltYJkAAAAJ

1. Ricceri, B., Minimax theorems for functions involving a real variable and applications, *Fixed Point Theory*, 9/1, (2008), 275-291.

2. Ricceri, B., A three critical points theorem revisited, *Nonlinear Anal.*, 70/9, (2009), 3084-3089.

3. Iannizzotto, A., Three critical points for perturbed nonsmooth functionals and applications, *Nonlinear Anal.*, 72/3-4, (2010), 1319 – 1338.

4. Nicusor, C., Vicentiu, R., Inequality problems of quasi-hemivariational type involving set-valued operators and a nonlinear term, *J. Global Optim.*, 52/4, (2012), 743-756.

5. Lijing Xi, Yuying Zhou and Yisheng Huang, A class of quasilinear elliptic hemivariational inequality problems on unbounded domains, *J. of Industrial and Management Optimization*, 10/3, (2014), 827-837.

citează lucrarea:

Faraci, F., Iannizzotto, A., Kupán, A.P., Varga, Cs., Existence and Multiplicity Results for Hemivariational Inequalities with two Parameters, *Nonlinear Anal.*, 67/9, (2007), 2654-2669.

6. Baricz, Á., Frasin, B.A., Univalence of integral operators involving Bessel functions, *Appl. Math. Lett*., 23/4, (2010), 371-376.

7. Baricz, Á., Ponnusamy, S., Starlikeness and convexity of generalized Bessel functions, *Integral Transforms. Spec. Funct.*, 21/9, (2010), 641-653.

8. Deniz, Erhan; Orhan, Halit; Srivastava, H. M. Some sufficient conditions for univalence of certain families of integral operators involving generalized Bessel functions, *Taiwanese J. Math.*, 15/2, (2011), 883–917.
9. Prajapat, J. K., Certain geometric properties of normalized Bessel functions, *Appl. Math. Lett.*, 24/12, (2011), 2133–2139.

10. Deniz, E., Convexity of integral operators involving generalized Bessel functions, *Integral Transforms Spec. Funct.*, 24/3 (2013), 201-216.

11. Baricz, Á., Szász, R., The radius of convexity of normalized Bessel functions of the first kind, *Anal. Appl. (Singap.)*, 12/5, (2014), 485-509.

12. Baricz, Á., Deniz, E., Caglar, M., Orhan, H., Differential subordinations involving generalized Bessel functions, *The Bull. of the Malaysian Math. Soc*., 2, (2014), 1255-1280.

13. Szász, R., On starlikeness of Bessel functions of the first kind, *Monatshefte fur Mathematik*, 1, (2014), , 323-330.
14. Poonam Sharma, Ravinder Krishna Rainer,GrigoreStefan Salagean, Some Geometric Properties of Analytic Functions Involving a New Fractional Operator, *Mediterranean Journal of Mathematics*,, 13/6, (2016), .

citează lucrarea:

Szász, R., Kupán, A.P., About the univalence of the Bessel functions, *Stud. Univ. Babes-Bolyai, Math*. (2009), LIV/1, 127-132.

15. Noor, Khalida Inayat(PAK-COMS-M), On uniformly Bazilevic and related functions, Abstr. Appl. Anal., 2012, Art. ID 345261, 15 pp.

citează lucrarea

Szász, R.; Kupán, A.P., The exact order of starlikeness of uniformly convex functions, *Comput. Math. Appl.*, 62/1, (2011), 173-186.

16. Baricz, Á., Szász, R., The radius of convexity of normalized Bessel functions of the first kind, *Anal. Appl. (Singap.)*, 12/5, (2014), 485-509.

17. Baricz, Á., Szász, R., Close-to-convexity of some special functions and their derivatives, *Proc. Amer. Math. Soc.* submitted 2014/2.

18. Chaggara, H., Romdhane, N.B., On the zeros of the hyper-Bessel function, *Integral Transforms Spec. Funct.*, 26/2, (2015), 96-101.

19. Szász, R., On starlikeness of Bessel functions of the first kind, *Monatshefte fur Mathematik*, 1, (2014), 323-330.

20. Baricz, Á., Orhan H., Szász, R., The radius of alpha-convexity of normalized Bessel functions of the first kind, *Computational methods and Function Theory*, 16/1, (2016), 93-103.

citează lucrarea:

Baricz, Á., Kupán, A.P., Szász, R., The radius of starlikeness of normalized Bessel functions of the first kind, *Proc. Amer. Math. Soc.* 142 (2014), 2019-2025.

21. Kupán, P., Szász, R., Monotonicity results and a sharp upper bound for the gamma function, *Integral Transforms Spec. Funct*, 25/7, (2014), 562-570.

citează lucrarea:

Szász, R., Kupán, A.P., A sharp inequality concerning the gamma function, *Integral Transforms Spec. Funct.*, 24/6, (2013), 502-508.

22. Qi, F., Li, W.H., Integral representations and properties of some functions involving the logarithmic function, *Filomat*, 29 (2015), 1-16.

citează lucrarea:

Kupán, A.P., Szász, R., Monotonicity theorems and inequalities for the gamma function, *Math. Ineq. Appl.* 17/1, (2014), 149-159.

K. Alte realizări semnificative.

Data, 07.10.2024.