Fișă de verificare standarde minimale
Domeniu: Matematică
Conf. univ. dr. Gabriel-Dumitru Bercu
Departamentul de Matematică și Informatică
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1. Lucrări publicate în jurnale cu RIS cel puțin egal cu 0.5

Număr publicație	Referința bibliografică	Publicat în ultimii 7 ani [2017-2023]	si [2017-2021]	ni	si/ni
1.	G. Bercu: Refinements of Huygens-Wilker-Lazarovic inequalities via the hyperbolic cosine polynomials. Appl. Anal. Discrete Math. 16(2022), 91-110, WOS:000791760800006	DA	1.176 [2019]	1	1.176
2.	Y. Wu, G. Bercu: New refinements of Becker-Stark and Cusa-Huygens inequalities via trigonometric polynomial method. RACSAM 115(2021), No. 2,1-12, WOS:000632702300003	DA	0.856 [2020]	2	0.428
3.	G. Bercu: Refinements of Wilker-Huygens-type inequalities via trigonometric series. Symmetry-Basel 13(2021), No. 8, Art. No. 1323, WOS:000690018500001	DA	0.597 [2017]	1	0.597
4	G. Bercu: New refinements for the error function with applications in diffusion theory. Symmetry-Basel 12(2020), Art. No. 2017, WOS:000602560000001	DA	0.597 [2017]	1	0.597
5.	G. Bercu: A note on the characterization of two-dimensional quasi-Einstein manifolds. Mathematics 8(2020), No. 11, Art. No. 2013, WOS:000594014900001	DA	0.507 [2020]	1	0.507
6.	G. Bercu: Fourier series method related to Wilker-Cusa-Huygens inequalities. Math. Inequal. Appl. 22(2019), No. 4, 1091-1098, WOS:000495437100003	DA	0.614 [2020]	1	0.614
7	G. Bercu: Sharp Bounds on the Sinc Function via the Fourier Series Method. J. Math. Inequal. 13(2019), No. 2, 495-504, WOS:000469242200012	DA	0.636 [2020]	1	0.636
8.	S. Wu, G. Bercu: A new sequence related to the Euler-Mascheroni constant. J. Inequal. Appl. (2018), 2018(1):151, WOS:000437366700002	DA	0.634 [2020]	2	0.317
9.	S. Wu, G. Bercu: Fast convergence of generalized DeTemple sequences and the relation to the Riemann zeta function. J. Inequal. Appl. (2017), 2017:110, WOS:000401065300001	DA	0.634 [2020]	2	0.317
10.	S. Wu, G. Bercu: Padé approximants for inverse trigonometric functions and their applications. J. Inequal. Appl. (2017), 2017:31, WOS:000397636900001	DA	0.634 [2020]	2	0.317
11.	G. Bercu: The natural approach of trigonometric inequalities-Padé approximant. J. Math. Inequal. 11(2017), No. 1, 181-191, WOS:000394574100018	DA	0.636 [2020]	1	0.636
12.	G. Bercu: Sharp refinements for the inverse sine function related to Shafer-Fink's inequality. Math. Probl. Eng.(2017), ID 9237932, 5 pages, WOS:000407258300001	DA	0.748 [2017]	1	0.748
13.	G. Bercu: Padé approximant related to remarkable inequalities involving trigonometric functions. J. Inequal. Appl. (2016), 2016:99, WOS:000373226100002	NU	0.634 [2020]	1	0.634
14.	G. Bercu: 2D Ricci Flat Gradient Solitons arising from remarkable models in physics. Int. J. Geom. Methods Mod. Phys. 10(2013), No. 10, ID: 1350059, 12 pages, WOS:000325722100015	NU	0.515 [2020]	1	0.515
15.	G. Bercu, M. Postolache: Classification of steady gradient Ricci solitons on two-manifolds. Int. J. Geom. Methods Mod. Phys. 9(2012), No. 5, ID: 1250049, WOS:000306075800015	NU	0.515 [2020]	2	0.2575
16.	G. Bercu, M. Postolache: Classes of gradient Ricci solitons on generalized Poincare manifolds. Int. J. Geom. Methods Mod. Phys. 9(2012), No. 4, ID: 1250027, WOS:000303397600006	NU	0.515 [2020]	2	0.2575
17.	G. Bercu, M. Postolache: Classes of gradient Ricci solitons. Int. J. Geom. Methods Mod. Phys. 8(2011), No. 4, 783-796, WOS:000292778200006	NU	0.515 [2020]	2	0.2575
18.	G. Bercu, C. Corcodel, M. Postolache: Iterative geometric structures. Int. J. Geom. Methods Mod. Phys. 7(2010), No. 7, 1103-1114, WOS:000285459200002	NU	0.515 [2020]	3	0.172
				S =	8.9835
				S-recent =	6.89

2. Citări în jurnale cu RIS cel puțin egal cu 0.5

Nr. publicație care citează	Referința bibliografică a publicației care citează	Si
G. Bercu: Sharp Bounds on the Sinc Function via the Fourier Series Method. J. Math. Inequal. 13(2019), No. 2, 495-504		
1.	L. Zhu: High Precision Wilker-type Inequality of Fractional Powers. Mathematics 9(2021), No. 13,1476, WOS:000670992000001	0.507
2.	S. Simic, B. Bin-Mohsin: Simpson's Rule and Hermite-Hadamard Inequality for Non-Convex Functions. Mathematics 8(2020), No. 8,1248, WOS:000564794400001	0.507
G. Bercu: Fourier series method related to Wilker-Cusa-Huygens inequalities. Math. Inequal. Appl. 22(2019), No. 4, 1091-1098		
1.	X.D. Chen, C. Qian, P. Zhu, X. Pan: Monotonous two-parameter functions for asymptoticly approximating the inequalities involving the inverse tangent functions. RACSAM 116(1) (2022), 1-10, WOS:000705235900002	0.856
2.	L. Zhu: High Precision Wilker-type Inequality of Fractional Powers. Mathematics 9(2021), No. 13, 1476, WOS:000670992000001	0.507
S. Wu, G. Bercu: A new sequence related to the Euler-Mascheroni constant. J. Inequal. Appl. (2018), 2018(1): 151		
1.	J.A. Adell, A. Lekuona: Rational approximation to Euler's constant at a geometric rate of convergence. Math. Comp. 89(2020), 2553-2561, WOS:000541702000019	2.246
G. Bercu: The natural approach of trigonometric inequalities-Padé approximant. J. Math. Inequal. 11(2017), No. 1, 181-191		
1.	C. Qian, X.D. Chen, B. Malešević: Tighter bounds for the inequalities of Sinc function based on reparametrization. RACSAM 116(1) (2022), 1-38, WOS:000711417400001	0.856
2.	X.D. Chen, H. Wang, J. Yu, Z. Cheng, P. Zhu: New bounds of sinc function by using a family of exponential functions. RACSAM 116(1) (2022),1-17, WOS:000706151800002	0.856
3.	L. Zhu: Some new bounds for Sinc function by simultaneous approximation of the base and exponential functions. RACSAM 114(2020), Article No. 81, WOS:000514860100001	0.856
4.	L. Zhu: New Mitrinovic-Adamovici type inequalities. RACSAM 114(2020), Article No. 119, WOS:000527941700001	0.856
5.	S. Chen, Z. Liu: Automated Proof of Mixed Trigonometric-polynomial Inequalities. J. Symb. Comput. 101(2020), 318-329, WOS:000540697500016	1.355
6.	L. Zhang, X. Ma: New polynomial bounds for Jordan's and Kober's inequalities based on the interpolation and approximation method. Mathematics 7(2019), No. 8, Article No. 746, WOS:000482856500070	0.507
7.	B. Malešević, T. Lutovac, M. Rašajski, C. Mortici: Extensions of the natural approach to refinements and generalizations of some trigonometric inequalities. Adv. Difference Equ. (2018), 1-15, Article No. 90, WOS:000428470500001	0.565
8.	Q.X. Qiao, C.P. Chen: Approximation to inverse tangent function. J. Inequal. Appl. (2018), Article No. 141, 14 pages, WOS:000436019600003	0.634
9.	M. Nenezić, L. Zhu: Some improvements of Jordan-Steckin and Becker-Stark inequalities. Appl. Anal. Discrete Math. 12(2018), 244-256, WOS:000430563000014	1.176 [2019]
10.	Z. Zhang, H. Shan, L. Chen: Refining trigonometric inequalities by using Padé approximant. J. Inequal. Appl. (2018), Article No. 149, 7 pages, WOS:000437365600004	0.634
11.	T. Lutovac, B. Malešević, C. Mortici: The natural algorithmic approach of mixed trigonometric-polynomial problems. J. Inequal. Appl. (2017), Article No. 116, 16 pages, WOS:000402110400001	0.634
12.	X. Li, C.P. Chen: Padé approximant related to asymptotics for the gamma function. J. Inequal. Appl. (2017), Article No. 53, 13 pages, WOS:000397638700002	0.634
13.	C.P. Chen, H.J. Zhang: Padé approximant related to inequalities involving the constant e and a generalized Carleman-type inequality. J. Inequal. Appl. (2017), Article No. 205, 12 pages, WOS:000410541800001	0.634
14.	L. Lin, W.C. Ma, C.P. Chen: Padé approximant related to the Wallis formula. J. Inequal. Appl. (2017), Article No. 132, 12 pages, WOS:000403847700001	0.634
S. Wu, G. Bercu: Padé approximants for inverse trigonometric functions and their applications. J. Inequal. Appl. (2017), 2017:31		
1.	L. Zhu: The Natural Approaches of Shafer-Fink Inequality for Inverse Sine Function. Mathematics 10(4)(2022), Article No. 647, WOS:000762799700001	0.507
2.	X.D. Chen, H. Wang, K. Yang, J. Xie: New bounds of Wilker-and Huygens-type inequalities for inverse trigonometric functions. RACSAM 115(2021), Article No.36, WOS:000606398800006	0.856
3.	Y. Guo, D. Kong, F. Yang, T. Gu: A data method using inner temperature difference to improve the stability of the inverse heat conduction problems. Numer. Heat Transfer, Part B 75(2019), 404-421, WOS:000485038100004	1.031
4.	B. Malešević, M. Rasajski, T. Lutovac: Refinements and generalizations of some inequalities of Shafer-Fink's type for inverse sine function. J. Inequal. Appl. (2017), Article No. 275, 9 pages, WOS:000414424300001	0.634
G. Bercu: Sharp refinements for the inverse sine function related to Shafer-Fink's inequality. Math. Probl. Eng. (2017), ID 9237932, 5 pages		
1.	B. Malešević, B.Mihailović: A minimax approximant in the theory of analytic inequalities. Appl. Anal. Discrete Math.15(2) (2021), 486-509, WOS:000751908900014	1.176 [2019]

2.	B. Malešević, M. Rasajski, T. Lutovac: Refined estimates and generalizations of inequalities related to the arctangent function and Shafer's inequality. Math. Probl. Eng. (2018), ID 4178629, WOS:000447926100001	0.748 [2017]
3.	B. Malešević, M. Rasajski, T. Lutovac: Refinements and generalizations of some inequalities of Shafer-Fink's type for inverse sine function. J. Inequal. Appl. (2017), Article No. 275, 9 pages, WOS:000414424300001	0.634
G. Bercu, S. Wu: Refinements of certain hyperbolic inequalities via the Padé approximation method. J. Nonlinear Sci. Appl. 9(2016), 5011-5020		
1.	X.D. Chen, C. Qian, P. Zhu, X. Pan: Monotonous two-parameter functions for asymptoticly approximating the inequalities involving the inverse tangent functions. RACSAM 116(1) (2022), 1-10, WOS:000705235900002	0.856
2.	H. Zhang: New Bounds and Asymptotic Expansions for the Volume of the Unit Ball in $\mathbb{R}^n$ Based on Padé Approximation. Result. Math. 77, 116(2022), WOS:000782762900001	0.742
3.	X. Li, C.P. Chen: Padé approximant related to asymptotics for the gamma function. J. Inequal. Appl. (2017), Article No. 53, 13 pages, WOS:000397638700002	0.634
4.	C.P. Chen, H.J. Zhang: Padé approximant related to inequalities involving the constant e and a generalized Carleman-type inequality. J. Inequal. Appl. (2017), Article No. 205, 12 pages, WOS:000410541800001	0.634
5.	L. Lin, W.C. Ma, C.P. Chen: Padé approximant related to the Wallis formula. J. Inequal. Appl. (2017), Article No. 132, 12 pages, WOS:000403847700001	0.634
6.	J. Liu, C.P. Chen: Padé approximant related to inequalities for Gauss lemniscate functions. J. Inequal. Appl. (2016), Article No. 320, 16 pages, WOS:000391730100001	0.634
G. Bercu: Padé approximant related to remarkable inequalities involving trigonometric functions. J. Inequal. Appl. (2016), 2016:99		
1.	G. Qian, X.D. Chen: Improved bounds of Mitrinović-Adamović- type inequalities by using two – parameter functions. J. Inequal. Appl. 2023(1) (2023), 1-21, WOS:000932075300001	0.634
2.	C. Qian, X.D. Chen, B. Malešević: Tighter bounds for the inequalities of Sinc function based on reparametrization. RACSAM 116(1) (2022), 1-38, WOS:000711417400001	0.856
3.	X.D. Chen, H. Wang, J. Yu, Z. Cheng, P. Zhu: New bounds of sinc function by using a family of exponential functions. RACSAM 116(1) (2022),1-17, WOS:000706151800002	0.856
4.	H. Zhang: New Bounds and Asymptotic Expansions for the Volume of the Unit Ball in $\mathbb{R}^n$ Based on Padé Approximation. Result. Math. 77, 116(2022), WOS:000782762900001	0.742
5.	C.P. Chen: Approximation formulas and inequalities for the Euler-Mascheroni constant. RACSAM 115(2021), Article No. 56, WOS:000607537900001	0.856
6.	A. Elías-Zúñiga, O. Martínez-Romero, D. Olvera Trejo, L.M. Palacios-Pineda: An efficient ancient Chinese algorithm to investigate the dynamics response of a fractal microgravity forced oscillator. Fractals-Complex Geom. Patterns Scaling Nat. Soc.29 (06) (2021), Article ID 2150144, WOS:000698113300004	0.786
7.	A. Elías-Zúñiga, L.M. Palacios-Pineda: Dynamics Response of the Forced Fangzhu Fractal Device for water collection from Air. Fractals-Complex Geom. Patterns Scaling Nat. Soc. 29 (07) (2021), Article ID 2150186, WOS:000723712200031	0.786
8.	L. Zhu: High Precision Wilker-type Inequality of Fractional Powers. Mathematics 9(2021), No. 13,1476, WOS:000670992000001	0.507
9.	S. Chen, Z. Liu: Automated Proof of Mixed Trigonometric-polynomial Inequalities. J. Symb. Comput. 101(2020), 318-329, WOS:000540697500016	1.355
10.	L. Zhu: Some new bounds for Sinc function by simultaneous approximation of the base and exponential functions. RACSAM 114(2020), Article No. 81, WOS:000514860100001	0.757
11.	L. Zhu: New Mitrinovic-Adamovici type inequalities. RACSAM 114(2020), Article No. 119, WOS:000527941700001	0.856
12.	Q.X. Qiao, C.P. Chen: Approximation to inverse tangent function. J. Inequal. Appl. (2018), Article No. 141, WOS:000436019600003	0.634
13.	M. Nenezić, L. Zhu: Some improvements of Jordan-Steckin and Becker-Stark inequalities. Appl. Anal. Discrete Math. 12(2018), 244-256, WOS:000430563000014	1.176 [2019]
14.	C.P. Chen: Padé approximant related to Ramanujan's formula for the gamma function. Result. Math. 73(2018), Article No. 107, WOS:000439395900003	0.742
15.	B. Malešević, T. Lutovac, M. Rašajski, C. Mortici: Extensions of the natural approach to refinements and generalizations of some trigonometric inequalities. Adv. Difference Equ. (2018), 1-15, Article No. 90, WOS:000428470500001	0.565
16.	T. Lutovac, B. Malešević, C. Mortici: The natural algorithmic approach of mixed trigonometric-polynomial problems. J. Inequal. Appl. (2017), Article No. 116, WOS:000402110400001	0.634
17.	X. Li, C.P. Chen: Padé approximant related to asymptotics for the gamma function. J. Inequal. Appl. (2017), Article No. 53, 13 pages, WOS:000397638700002	0.634
18.	C.P. Chen, H.J. Zhang: Padé approximant related to inequalities involving the constant e and a generalized Carleman-type inequality. J. Inequal. Appl. (2017), Article No. 205, 12 pages, WOS:000410541800001	0.634
19.	L. Lin, W.C. Ma, C.P. Chen: Padé approximant related to the Wallis formula. J. Inequal. Appl. (2017), Article No. 132, 12 pages, WOS:000403847700001	0.634
20.	J. Liu, C.P. Chen: Padé approximant related to inequalities for Gauss lemniscate functions. J. Inequal. Appl. (2016), Article No. 320, 16 pages, WOS:000391730100001	0.634

G. Bercu, M. Postolache: Classes of gradient Ricci solitons on generalized Poincare manifolds. Int. J. Geom. Methods Mod. Phys. 9(2012), No. 4, ID: 1250027		
1.	A. Pitea: A geometric study of some equations of Mathematical Physics. Int. J. Geom. Methods Mod. Phys. 9(2012), No.4, Article No. 1250030, WOS:000303397600009	0.515
2.	A. Pitea: On new classes of explicit quasi-Einstein Riemannian Manifolds.Int. J. Geom. Methods Mod. Phys. 9(2012), No.8, Article No. 1220015, WOS:000310463300002	0.515
G. Bercu, C. Corcodel, M. Postolache: Advances on Hessian metrics. Sci. Bull., Ser. A, Appl. Math. Phys., Politeh. Univ. Buchar. 73(2011), No. 1, 63-70		
1.	A. Pitea: A geometric study of some equations of Mathematical Physics. Int. J. Geom. Methods Mod. Phys. 9(2012), No.4, Article No. 1250030, WOS:000303397600009	0.515
2.	A. Pitea: On new classes of explicit quasi-Einstein Riemannian Manifolds.Int. J. Geom. Methods Mod. Phys. 9(2012), No.8, Article No. 1220015, WOS:000310463300002	0.515
G. Bercu, M. Postolache: Classes of gradient Ricci solitons. Int. J. Geom. Methods Mod. Phys. 8(2011), No. 4, 783-796		
1.	A. Pitea: A geometric study of some equations of Mathematical Physics. Int. J. Geom. Methods Mod. Phys. 9(2012), No.4, Article No. 1250030, WOS:000303397600009	0.515
2.	A. Pitea: On new classes of explicit quasi-Einstein Riemannian Manifolds.Int. J. Geom. Methods Mod. Phys. 9(2012), No.8, Article No. 1220015, WOS:000310463300002	0.515
G. Bercu, C. Corcodel, M. Postolache: On Udrişte ODE and a problem of Jiang. Sci. Bull., Ser. A, Appl. Math. Phys., Politeh. Univ. Buchar. 72(2010), No. 1, 171-176		
1.	A. Pitea: A geometric study of some equations of Mathematical Physics. Int. J. Geom. Methods Mod. Phys. 9(2012), No.4, Article No. 1250030, WOS:000303397600009	0.515
G. Bercu, C. Corcodel, M. Postolache: Iterative geometric structures. Int. J. Geom. Methods Mod. Phys. 7(2010), No. 7, 1103-1114		
1.	M. Crâșmăreanu: Weighted Riemannian 1-manifolds for classical orthogonal polynomials and their heat kernel. Anal. Math. Phys. 5(4)(2015), 373-389, WOS:000363062800003	0.994 [2018]
2.	A. Pitea: A geometric study of some equations of Mathematical Physics. Int. J. Geom. Methods Mod. Phys. 9(2012), No.4, Article No. 1250030, WOS:000303397600009	0.515
3.	A. Pitea: On new classes of explicit quasi-Einstein Riemannian Manifolds.Int. J. Geom. Methods Mod. Phys. 9(2012), No.8, Article No. 1220015, WOS:000310463300002	0.515
G. Bercu, M. Postolache: A class of self-concordant functions on Riemannian manifolds. Balkan J. Geom. Appl. 14(2009), No. 2, 13-20		
1.	D.G. Tian: An entire space polynomial-time algorithm for linear programming. J. Glob. Optim. 58(2014), No. 1, 109-135, WOS:000330781200005	1.251
C. Udrişte, G. Bercu: Riemannian Hessian Metrics. An. Univ. Bucur., Mat. 54(2005), No. 1, 189-204		
1.	R. Kumar, G. Gupta, R. Rami: Adapted connections on Kaehler-Norden Golden manifolds and harmonicity. Int J. Geom. Methods Mod. Phys. 17(2020), No. 2, WOS:000519695100011	0.515
2.	A. Gezer, C. Karaman: On Dual Holomorphic B-Type Hessian metrics. Int. J. Geom. Methods Mod. Phys. 10(2013), No.2, WOS:000316949500002	0.515
3.	A. Pitea: A geometric study of some equations of Mathematical Physics. Int. J. Geom. Methods Mod. Phys. 9(2012), No.4, Article No. 1250030, WOS:000303397600009	0.515

S=8.9835; S-recent=6.89; C=66 [Martie, 2023]