

Списък цитирания на публикации на  
Николай Василев Живков

**статия:** 1. N.V. Zhivkov, *Metric Projections and Antiprojections in Strictly Convex Normed Spaces*, Compt. rend. l'Acad. bulg. Sci., 31, 4 (1978), 369-372.

**цитирана:**

1. S. Fitzpatrick, Metric projection and the differentiability of the distance function, Bull. Austral. Math. Soc., 22:2(1980), 291-312.
2. C. Franchetti, P.L. Papini, Approximation properties of sets with bounded complements, Proc. Roy. Soc. Edinburgh Sect. A, 89 (1981), 75-86.
3. P.S. Kenderov, Continuity-like properties of set-valued mappings, Serdica Bulg.Math. Publ. 9 (1983), 149-160.
4. P.S. Kenderov, Polygonal approximation of plane convex compacta, J. Approx. Theory, 38 (1983), 221-239.
5. A.A. Astaneh, A characterization of local uniform convexity of the norm, Indian J. Pure Appl. Math. 14 (1983), 1217-1219.
6. V.S. Balaganskii, L.P. Vlasov, The problem of convexity of Chebyshev sets, Russ. Math. Surv., 51:6 (1996), 1127-1190.
7. Chong Li, On mutually nearest and mutually furthest points in reflexive Banach spaces, J. Approx. Theory, 103:1 (2000), 1-17.
8. G.E. Ivanov, Farthest points and strong convexity of norms, Math. Notes, 87:3 (2010), 355-366.
9. V. Montesinos, P. Zizler, V. Zizler, Some remarks on farthest points, RACSAM 105(2011), 119-131.
10. T. Precupanu, Relationship between farthest point problem and nearest point problem, An. Stiint. Univ. Al. I. Cuza Iasi. Mat. (N.S.) LVII (2011), 1-12.

**статия:** 2. Nikolai Zhivkov, *Continuity and Non-Multi-Valuedness Properties of Metric Projections and Antiprojections*, Serdica 8, 4 (1982), 378-385.

**цитирана:**

1. P.S. Kenderov, Polygonal approximation of plane convex compacta, J. Approx. Theory, 38 (1983), 221-239.
2. Y.G. Borisovitch, B.D. Gelman, A.D. Mishkis, V.V. Obukhovskii, New results in the theory of multivalued mappings. I. Topological characteristics and solvability of operator relations, J. Soviet Math., 49:1, (1990), 800-855.
3. M.M. Coban, P.S. Kenderov, J.P. Revalski, Densely defined selections of multivalued mappings, Trans. Amer. Math. Soc., 344:2 (1994), 533-552.
4. С.В. Конягин, Об аппроксимативных свойствах произвольных замкнутых множеств в банаховых пространствах, Фунд. Прикл. Мат. 3:4 (1997), 979-989.
5. U. Westphal, T. Schwartz, Farthest points and monotone operators, Bull. Austral. Math. Soc. 58 (1998), 75-92.
6. R. Cibulka, M. Fabian, Attainment and (sub) differentiability of the infimal convolution of a function and the square of the norm, J. Math. Anal. Appl. 368 (2010), 538-550.

**статия:** 3. N.V. Zhivkov, *Plane Polygonal Approximation of Bounded Convex Sets*, Compt. rend. l'Acad. bulg. Sci., 35, 12 (1982), 1631-1634.

**цитирана:**

1. P.M. Gruber, Approximation of convex bodies, Convexity and Its Applications (Eds. P.M. Gruber, J.M. Wills) Birkhauser Basel 1983.
2. P. M. Gruber, Results of Baire category type in convexity, Annals New York Acad. Sci. vol. 440 Discrete Geometry and Convexity, 1985.
3. T. Zamfirescu, Using Baire categories in geometry, Rend. Sem. Mat. Univ. Politec. Torino, 43 (1985).
4. M. Nedelcheva, Characterization of convex subsets of the plane through their local approximation properties, Serdica Bulg. Math. Publ. 11 (1985), 165-170.
5. П.Г. Георгиев, Апроксимация на  $n$ -ъгълници с  $(n-1)$ -ъгълници. Математика и Матем. Обр., 1984, 289-303.
6. С.А. Рибалка, Б.М. Шумилов, О локальной аппроксимации плоских кривых сплайнами первой степени в хаусдорфовой метрике, Известия Висших Учебных Заведений, 351 (8), (1991), 80-81.
7. Е. М. Бронштейн, Аппроксимация выпуклых множеств многогранниками, Современная математика. Фундаментальные направления. 22, (2007), 5-37.

**статия:** 4. N.V. Zhivkov, *Generic Gateaux Differentiability of Locally Lipschitzian Functions*, Constructive Function Theory'81, 1983, 590-594.

**цитирана:**

1. R. Correa, A. Jofre, Some properties of semismooth and regular functions in nonsmooth analysis, Recent Advances in System Modeling and Optimization, Lect. Notes in Control and Information Sciences 87/1986, 69-85.
2. R. Correa, A. Jofre, Tangentially continuous directional derivatives in nonsmooth analysis, J. Optim. Theory Appl., 61:1 (1989), 1-21.
3. P.G. Georgiev, Locally Lipschitz and regular functions are Frechet differentiable almost everywhere in Asplund spaces, Compt. rend. l'Acad. bulg. Sci., 42:5 (1989), 13-15.
4. P.G. Georgiev, The smooth variational principle and generic differentiability, Bull. Austral. Math. Soc. 43 (1991), 169-175.
5. M. Fabian, D. Preiss, On intermediate differentiability of Lipschitz functions on certain Banach spaces, Proceed. Amer. Math. Soc., 113:3 (1991), 733-740.
6. A. Kriegl, P.V. Michor, The Convenient Setting of Global Analysis, Math. Surveys Monogr. 53, AMS 1997.
7. M. Fabian, Gateaux Differentiability of Convex Functions and Topology: Weak Asplund Spaces (Canad. Math. Soc. Series Monogr.) A. Wiley-Interscience Publ. 1997.
8. С.В. Конягин, Об аппроксимативных свойствах произвольных замкнутых множеств в банаховых пространствах, Фунд. Прикл. Мат. 3:4 (1997), 979-989.
9. A. Nekvinda, L. Zajicek, Gateaux differentiability of Lipschitz functions via directional derivatives, Real Anal. Exchange 28(2), (2002/2003), 287-320.
10. S. Cobzas, Geometric properties of Banach spaces and the existence of nearest and farthest points, AAA, 3 (2005), 259-285.

**статия:** 5. N.V. Zhivkov, *Necessary Condition for Best Hausdorff Approximation of Plane Convex Compacta by Polygons*, Colloq. Math. Soc. Janos Bolyai, Intuitive Geometry 48, 1 (1985), 663-688.

**цитирана:**

1. П.Г. Георгиев, Апроксимация на  $n$ -ъгълници с  $(n-1)$ -ъгълници. Математика и Матем. Обр., 1984, 289-303.

**статия:** 6. M. Fabian, N.V. Zhivkov, *Characterization of Asplund Spaces with the Help of Local  $\epsilon$ -Supports of Ekeland and Lebourg*, Compt. rend. l'Acad. bulg. Sci., 38, 6 (1985), 671-674.

**цитирана:**

1. B.S. Mordukhovich, *Variational Analysis and Generalized Differentiation I.*, Springer, 2006.
2. J. M. Borwein, Qiji J. Zhu, *Techniques of Variational Analysis*, CMS Books in Mathematics, Springer 2005.
3. J.M. Borwein, D. Preiss, A smooth variational principle with applications to subdifferentiability and to differentiability to convex functions, Trans. Amer. Math. Soc. 303: 2, (1987), 517-527.
4. J.M. Borwein, S.P. Fitzpatrick, J.R. Giles, The differentiability of real functions on normed linear space using generalized subgradients, J. Math. Anal. Appl., 128:2 (1987), 512-534.
5. J.M. Borwein, S.P. Fitzpatrick, Existence of nearest points in Banach spaces, Canad. J. Math. 51(1989), 371-381.
6. J.P. Penot, Mean-value theorem with small subdifferentials, J.Optim.Theory Appl., 94:1(1997), 209-221
7. H.V. Ngai, J-P. Penot, Approximately convex functions and approximately monotonic operators, Nonlinear Anal. 66 (2007), 547-564.
8. M.M. Coban, P.S. Kenderov, J.P. Revalski, Densely defined selections of multivalued mappings, Trans. Amer. Math. Soc., 344:2 (1994), 533-552.
9. P.H. Sach, N.D. Yen, Convexity criteria for set valued maps, Set-Valued Anal., 5(1997), 37-45.
10. J.P. Penot, Metric estimates for the calculus of multimappings, Set-Valued Anal. 5 (1997), 291-308.
11. J-P. Penot, Glimpses upon quasiconvex analysis, ESAIM: Proceedings 2007, 1-10.
12. P.H. Sach, Sufficient conditions for generalized convex set-valued maps, Optimization 37:4 (1996), 293-304.
13. L. Zajicek, On differentiability properties of Lipschitz functions on a Banach space with a Lipschitz uniformly Gateaux differentiable bump function, Comment. Math. Univ. Carolin. 38:2 (1997), 329-336.
14. J.P. Penot, A short proof of the separable reduction theorem, Demonstratio Math. XLIII:3 (2010), 653-663.
15. J.R. Giles, Generalizing generic differentiability properties of convex functions, In: A. T. M. Lau *et al.* (Eds), *Topological Vector Spaces, Algebras and Related Areas*, Pitman Res. Notes in Math. Ser. 316, Longman, Harlow, 1994, pp. 193–207.
16. J.R. Giles, S. Sciffer, Concerning differentiability property of locally Lipschitz functions, Optimization and Related Topics, A. Rubinov and B. Glover (Eds.) Kluwer Academic Publ. 2001, pp.315-322.
17. L. Zajicek, Frechet differentiability, strict differentiability and subdifferentiability, Czechoslovak Math. J., 41(3), (1991), 471-489.
18. A. Nekvinda, L. Zajicek, Gateaux differentiability of Lipschitz functions via directional derivatives, Real Anal. Exchange 28(2), (2002/2003), 287-320.
19. A.D. Ioffe, Separable reduction revisited, Optimization, 60:1-2 (2011), 211-221.
20. J.P. Penot, Miscellaneous Incidences of Convergence Theories in Optimization and Nonlinear Analysis, Part II: Applications in Nonsmooth Analysis. Recent Advances in Nonsmooth Optimization, 289-321, Eds. D.-Z. Du, L. Qi, R.S. Womersley, World Scientific Publ. 1995.

21. K. Allali, A. Taa, Characterisation de la Derivabilite des Fonctions a partir de la Derivee Directionnelle, *Extracta Math.* 12:1 (1997), 1-13.

**статия:** 7. N.V. Zhivkov, *Generic Gateaux Differentiability of Directionally Differentiable Mappings*, *Rev. Roum. Math. Pures Appl.* 32, 2 (1987), 179-188.

**цитирана:**

1. P.G. Georgiev, Locally Lipschitz and regular functions are Frechet differentiable almost everywhere in Asplund spaces, *Compt. rend. l'Acad. bulg. Sci.*, 42:5 (1989), 13-15.
2. P.G. Georgiev, The smooth variational principle and generic differentiability, *Bull. Austral. Math. Soc.* 43 (1991), 169-175.
3. M. Fabian, D. Preiss, On intermediate differentiability of Lipschitz functions on certain Banach spaces, *Proceed. Amer. Math. Soc.*, 113:3 (1991), 733-740.
4. L. Zajicek, On differentiability properties of Lipschitz functions on a Banach space with a Lipschitz uniformly Gateaux differentiable bump function, *Comment. Math. Univ. Carolin.* 38:2 (1997), 329-336.
5. С.В. Конягин, Об аппроксимативних свойствах произвольных замкнутых множеств в банаховых пространствах, *Фунд. Прикл. Мат.* 3:4 (1997), 979-989.
6. P.G. Georgiev, N. P. Zlateva, Generic Gateaux differentiability via smooth perturbations, *Bull. Austral. Math. Soc.* 56:3 (1997), 421-428.
7. J.R. Giles, S. Sciffer, Concerning differentiability property of locally Lipschitz functions, *Optimization and Related Topics*, A. Rubinov and B. Glover (Eds.) Kluwer Academic Publ. 2001, pp.315-322.
8. A. Nekvinda, L. Zajicek, Gateaux differentiability of Lipschitz functions via directional derivatives, *Real Anal. Exchange* 28(2), (2002/2003), 287-320.
9. S. Cobzas, Geometric properties of Banach spaces and the existence of nearest and farthest points, *AAA*, 3 (2005), 259-285.
10. E. Corbachko, A. Plichko and V. Tarieladze, A One-sided Version of Alexiewicz-Orlicz's Differentiability Theorem, *RACSAM Rev. R. Acad. Cien. Serie A. Mat.* 99 (2), 2005, pp. 167-181.

**статия:** 8. N.V. Zhivkov, *Characterization of Reflexive Spaces by Means of Continuous Approximate Selections for Metric projections*, *J. Approx. Theory* 56, 1 (1989), 59-71.

**цитирана:**

1. F. Deutsch, An exposition of recent results on continuous metric selections, *Numerical Methods of Approximation Theory* (L. Collatz, G. Meinardus, G. Nurnberger, eds.), 8 ISNM, 81. Basel: Birkhauser Verlag 1987, 67-80.
2. W. Li, Continuous metric selection and multivariate approximation, *J. Math. Anal. Appl.*, 143:1 (1989), 187-197.
3. W. Li, Continuous Selections for Metric Projections and Interpolating Subspaces, (Eds. B. Brosowski, F. Deutsch, J. Guddat) *Approximation and Optimization* vol. 1, Peter Lang 1991.
4. K. Przeslawski, L.E. Rybinski, Concepts of lower semi-continuity and continuous selections for convex valued multifunctions, *J. Approx. Theory*, 68:3 (1992), 262-282.
5. F. Deutsch, Selections for metric projections, *Approximation Theory, Spline Functions and Applications*. (Ed. S.P. Singh) NATO ASI Series, C 356, Kluwer Acad. Publ., 1992, 123-137.
6. A.L. Brown, A survey: Continuous selections for metric projections, 3rd Int. Coll. Numerical Analysis, 25-36, D. Bainov and V. Covachev (Eds.) VSP 1995..

7. Sh. Hu, N.S. Papageorgiou, *Handbook of Multivalued Analysis, Volume I: Theory*, Kluwer Acad. Publ. 1997.
8. A.L. Brown, F. Deutsch, V. Indumathi, P.S. Kenderov, Lower semi-continuity concepts, continuous selections and set valued metric projections, *J. Approx. Theory*, 115:1 (2002), 120-143.
9. L.E. Rybiński, Measurable and continuous selections, Juliusz Schauder Center Winter School on Methods in Multivalued Analysis, *Lect. Notes in Nonlinear Anal.*, vol. 8 (2006), pp. 169–196.

**статия:** 9. J.P. Revalski, N.V. Zhivkov, *Well-Posed Constrained Optimization Problems in Metric Spaces*, *J. Optim. Theory Appl.* 76, 1 (1993), 145-163.

**цитирана:**

1. G. Beer, A. Di Concilio, A generalization of boundedly compact metric spaces, *Comment. Math. Univ. Carolin.* 31:2 (1991), 361-367.
2. G. Beer, Topological completeness of function spaces arising in the Hausdorff approximation of functions, *Canad. Math. Bull.* 35:4 (1992), 439-448.
3. G. Beer, *Topologies on Closed and Closed Convex Sets*, Kluwer Acad. Publ. Math. And Its Appl., 268, 1993.
4. A.L. Donchev, T. Zolezzi, *Well-Posed Optimization Problems*, Springer-Verlag LNM 1543, 1993.
5. G. Beer, R. Lucchetti, Well-posed optimization problems and a new topology for the closed subsets of a metric space, *Rocky Mountain J. Math.*, 23, 4 (1993), 1197-1220.
6. R. Lucchetti, P. Shunmugaraj, Y. Sonntag, Recent hypertopologies and continuity of the value function and of the constrained level set, *Numer. Funct. Anal. Optim.* 14:1-2 (1993), 103-115.
7. D. Mentagui, Stability results of a class of well-posed optimization problems, *Optimization* 36:2 (1996), 119-138.
8. T. Roubicek, *Relaxation in Optimization Theory and Variational Calculus*, de Gruyter 1997.
9. J.P. Penot, Calmness and stability properties of marginal and performance functions, *Numer. Funct. Anal. Optim.* 25:3 (2004), 287-308.
10. Hai-Jun Wang, Cao-Zong Cheng, Parametric well-posedness for quasivariational-like inequalities, *Far East J. Math. Sci.*, 55:1(2011), 31-47.

**статия:** 10. N.V. Zhivkov, *Examples of Plane Compacta with Dense Ambiguous Loci*, *Compt. rend. l'Acad. bulg. Sci.* 46, 1 (1993), 27-30.

**цитирана:**

1. F.S. de Blasi, P.S. Kenderov, J. Myjak, Ambiguous loci of the metric projection onto compact starshaped sets in a Banach space, *Mh. Math.* 119 (1995), 23-36.
2. F.S. de Blasi, Densely connected ambiguous loci of the metric projection in Hilbert spaces, *Periodica Math. Hungarica*, 32 (3), (1996), 167-178.

**статия:** 11. N.V. Zhivkov, *Peano Continua Generating Densely Multivalued Metric Projections*, *Rend. Sem. Mat. Univ. Politecn. Torino* 52, 4 (1994), 335-346.

**цитирана:**

1. F.S. de Blasi, Densely connected ambiguous loci of the metric projection in Hilbert spaces, *Periodica Math. Hungarica*, 32 (3), (1996), 167-178.

**статия:** 12. N.V. Zhivkov, *Densely Two-Valued Metric Projections in Uniformly Convex Banach spaces*, *Set-Valued Analysis* 3 (1995), 195-209.

**цитирана:**

1. F.S. de Blasi, On typical convex sets in Hilbert spaces, *Serdica Math. J.*, 23(1997), 255-268.
2. F.S. de Blasi, T. Zamfirescu, Cardinality of the metric projection on typical compact sets in Hilbert spaces, *Math. Proc. Camb. Phil. Soc.*, 126 (1999), 37-44.
3. F.S. de Blasi, Some geometric properties of typical convex compact sets in Hilbert spaces, *Studia Math.*, 135:2 (1999), 143-162.
4. T. Zamfirescu, Dense ambiguous loci and residual cut loci, *Rendiconti Circ. Mat. Palermo*, II, 65 (2000), 203-208.

**статия:** 13. N.V. Zhivkov, *Compacta with Dense Ambiguous Loci of Metric Projections and Antiprojections*, *Proc. Amer. Math. Soc.* 123, 11 (1995), 3403-3411.

**цитирана:**

1. F.S. de Blasi, Densely connected ambiguous loci of the metric projection in Hilbert spaces, *Periodica Math. Hungarica*, 32 (3), (1996), 167-178.
2. F.S. de Blasi, On typical convex sets in Hilbert spaces, *Serdica Math. J.*, 23(1997), 255-268.
3. U. Westphal, T. Schwartz, Farthest points and monotone operators, *Bull. Austral. Math. Soc.* 58 (1998), 75-92.
4. J. Kolar, Porosity and compacta with dense ambiguous loci of metric projections. *Acta Univ. Carolinae Math.-Phy.* 39(1998), 119-125.
5. F.S. de Blasi, Some geometric properties of typical convex compact sets in Hilbert spaces, *Studia Math.*, 135:2 (1999), 143-162.
6. F.S. de Blasi, T. Zamfirescu, Cardinality of the metric projection on typical compact sets in Hilbert spaces, *Math. Proc. Camb. Phil. Soc.*, 126 (1999), 37-44.
7. T. Zamfirescu, Dense ambiguous loci and residual cut loci, *Rendiconti Circ. Mat. Palermo*, II, 65 (2000), 203-208.
8. Chong-Li, On well-posedness of best simultaneous approximation problems in Banach spaces, *Science China (Series A)* 44, 12 (2001), 1558-1570.
9. T. Zamfirescu, On the cut locus in Alexandrov spaces and applications to convex surfaces, *Pacific J. Math.*, 217:2, (2004), 375-386.
10. Chong Li, Hong-Kun Xu, Ambiguous loci of mutually nearest and mutually furthest points in Banach spaces, *Nonlinear Anal.*, 58 (2004) 367-377.
11. T. Zamfirescu, Extending Stechkin theorem and beyond, *AAA*, 3(2005), 255-258.
12. Chong Li, Genaro Lopez, On generic well-posedness of restricted Chebyshev center problems in Banach spaces. *Acta Mathematica Sinica, English Series*, 22 (2006), 741-750.

**статия:** 15. F.S. de Blasi, N.V. Zhivkov, *The Number of Nearest and Farthest Points to a Compactum in Euclidean Space*, *Israel J. Math.* 130 (2002), 347-363.

**цитирана:**

1. A.V. Kuz'minykh, The structure of generic compact sets of a Euclidean space. *Sibirsk. Mat. Zh.*, 38:2 (1997), 344-350.

**статия:** 17. F.S. de Blasi, N.V. Zhivkov, *Typical Compacta with Dense Ambiguous Loci*, *Rev. Roum. Math. Pures Appl.* L 5-6 (2005), 555- 564 (Volume dedicated to 60<sup>th</sup> anniversary of Tudor Zamfirescu)

**цитирана:**

1. J. Rouyer, Generic properties of compact metric spaces, *Topology Appl.*, 158(2011), 2140-2147.

**статия:** 18. F.S. de Blasi, N.V. Zhivkov, *On Typical Sets in Banach Spaces and a Parametric Kuratowski-Ulam Theorem*, Monatsh. Math. 158 (2009), 349-356.

**цитирана:**

1. J. Rouyer, Generic properties of compact metric spaces, Topology Appl., 158(2011), 2140-2147.

**Други:**

**статия:** 24. Todor Tagarev, Tsvetomir Tsachev, and Nikolay Zhivkov, *Formalizing the Optimization Problem in Long-Term Capability Planning*, Information and Security, 23 (1), (2009), 99-114.

**цитирана:**

1. T. Gezgin, Ch. Etzien, S. Henkler, A. Rettberg, *Towards a rigorous modeling formalism for systems of systems*, ISORCW, pp 204-211, 2012 IEEE 15<sup>th</sup> International Symposium on Object/Component/Service-Oriented Real Time Distributed Computing Workshops, 2012. ISBN: 978-0-7695-4669-8.

**Цитирани статии: 17**

**Цитирания в монографии: 6**

**Общ брой цитирания: 107**