

DANH SÁCH CÁC CÔNG TRÌNH

đã công bố của cán bộ Viện Toán học

LIST OF MAIN PUBLICATIONS

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- Cán bộ có đánh dấu * là cán bộ đã chuyển đi cơ quan khác, có đánh dấu ** là cán bộ đã nghỉ hưu từ viện, có đánh dấu *** là cán bộ đã mất.
 - Đối với cán bộ đã chuyển đi cơ quan khác, chỉ thống kê đến năm chuyển đi.

Phan Thanh An*

1. (with H.X. Phu) Stable generalization of convex functions. *Optimization* **3** (1996), N° 4, 309 - 318.
2. (with H.X. Phu) Stability of generalized convex functions with respect to linear disturbances. *Optimization* **46** (1999), N° 4, 381 - 389.
3. Roughly Convex Functions and Stability of Generalized Convex Functions with respect to Linear Disturbances, PhD thesis, *Vinh University* 1999.
4. (with H.X. Phu) Outer γ -convexity in normed linear spaces. *Vietnam Journal of Mathematics* **27** (1999), N° 4, 323 - 334.
5. (with H.X. Phu and N. N. Hai) Piecewise constant roughly convex functions. *Journal of Optimization Theory and Applications* **117** (2003), N° 2, 415 - 438.
6. (with N.N. Hai) γ -convexity in normed linear spaces. *Numerical Functional Analysis and Optimization* **25** (2004), N° 5 - 6, 407 - 422.
7. Nonemptiness of approximate subdifferentials of midpoint δ -convex functions. *Numerical Functional Analysis and Optimization* **26** (2005), N° 7 - 8, 735 - 738.
8. Outer γ -convex functions on a normed space. *Journal of Inequalities in Pure and Applied Mathematics (JIPAM)* **6** (2005), N° 3, Article 85, 8 pages.
9. A new type of stable generalized convex functions. *Journal of Inequalities in Pure and Applied Mathematics (JIPAM)* **7** (2006), N° 3, Article 81, 10 pages.
10. Stability of generalized monotone maps with respect to their characterizations. *Optimization* **55** (2006), N° 3, 289 - 299.
11. A modification of Graham's algorithm for determining the convex hull of a finite planar set. *Annales Mathematicae et Informaticae* **34** (2007), 3 - 8.
12. Helly-type theorems for roughly convex-like sets. *Numerical Functional Analysis and Optimization* **28** (2007), N° 5 - 6, 553 - 558.
13. (with P. L. Na and N. Q. Chung) On parametric domain for asymptotic stability with probability one of zero solution of linear Ito stochastic differential equations. *Italian Journal of Pure and Applied Mathematics* (2007), N° 21, 129 - 138.
14. Some computational aspects of Helly-type theorems. *JNAIAM. Journal of Numerical Analysis, Industrial and Applied Mathematics* **3** (2008), N° 3 - 4, 269 - 274.
15. Stability of generalized convexity and monotonicity. In: *Proceedings of Int. Workshop on Mathematical modeling, simulation, visualization and e-learning*, Springer, Berlin, 2008, 193 - 200
16. (with V.T.T. Binh) Stability of excess demand functions with respect to a strong version of Wald's axiom. *Asia-Pac. Journal of the Operational Research Society* **26** (2009), N° 4, 523 - 532.
17. (with Giang, D.T.; Hai, N.N.N.) Some computational aspects of geodesic convex sets in a simple polygon. *Numerical Functional Analysis and Optimization* **31** (2010), N° 1-3, 221 - 231.
18. Method of orienting curves for determining the convex hull of a finite set of points in the plane. *Optimization* **59** (2010), N° 2, 175 - 179.
19. Reachable grasps on a polygon of a robot arm: finding convex ropes without triangulation. *Journal of Robotics and Automation* **25** (2010), N° 4, 304 - 310.

20. (with H.X. Phu; Pho, V.M.) Maximizing strictly convex quadratic functions with bounded perturbations. *Journal of Optimization Theory and Applications* **149** (2011), N^o 1, 1 - 25.
21. (with Hai, N.N.) Blaschke-type theorem and separation of disjoint closed geodesic convex sets. *Journal of Optimization Theory and Applications* **151** (2011), N^o 3, 541 - 551.
22. (with Trang, L.H.) A parallel algorithm based on convexity for the computing of Delaunay tessellation. *Numerical Algorithms* **59** (2012), N^o 3, 347 - 357.
23. (with Hoai, T.T.) Incremental convex hull as an orientation to solving the shortest path problem. *International Journal of Information and Electronics Engineering* **2** (2012), N^o 5, 652 - 655.
24. (with Hai, N.N.; Hoai, T.V.) The role of convexity for solving some shortest path problems in plane without triangulation. *AIP Conference Proceedings, American Institute of Physics, Melville, NY* **1557** (2013), 89 - 93.
25. (with Trang, L.H.) An efficient convex hull algorithm for finite point sets in 3D based on the method of orienting curves. *Optimization* **62** (2013), N^o 7, 975 - 988.
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31. (with D. T. Giang and L. H. Trang) An exact algorithm for minimizing a sum of Euclidean norms on rays in 2D and 3D, *Numerical Functional Analysis and Optimization*, **36** (2015), 405 - 418.
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34. Optimization Approaches for Computational Geometry. *Publishing House for Science and Technology, Vietnam Academy of Science and Technology, Hanoi* 2017 (230 pages, in English), ISBN 978-604-913-573-6.

35. (with L. H. Trang) Introduction to Computational Geometry: Fundamental Algorithms and their Implementations, *Vinh University Publisher* (2018), (136 pages, in Vietnamese), ISBN 978-604-923-317-3-4.
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Ta Thi Hoai An

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Pham Tra An**

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Nguyen Viet Anh*

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Tran Thi Lan Anh*

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Ha Huy Bang**

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