

李宗錢教授 (Tsung-Lin Lee) (96 年 8 月畢業，99 年 8 月到校)

(A) 期刊論文

1. Z.H. Guo, Y. Liu, Tsung-Lin Lee and S.L. Luo. Construction and classification of all equioverlapping measurements in qubit and qutrit systems, *Physical Review A*, 111, 012430, 2025. [SCI, NSYSU].
2. A. Noorizadegan, A. Naji, Tsung-Lin Lee, R. Cavoretto, D.L. Young, Bending analysis of quasicrystal plates using adaptive radial basis function method, *J. Comput. Appl. Math.*, 450, 115990, 2024. [SCI, NSYSU].
3. H.X. Cao, H.Y. Chen, Z.H. Guo, Tsung-Lin Lee and N.C. Wong, Convex decompositions of Q -stochastic tensors and Bell locality in a multipartite system, *Advances in Operator Theory*, 9:19, 2024. [NSYSU].
4. Y. Zhao, Z.H. Guo, L.X. Feng, S.L. Luo and Tsung-Lin Lee. Equioverlapping measurements in qutrit systems. *Physics Letters A*, 495, 129314, 2024. [SCI, NSYSU].
5. H.X. Cao, H.Y. Chen, Z.H. Guo and Tsung-Lin Lee. The convex decomposition of row-stochastic matrices. *Annals of Mathematical Sciences and Applications*. 8(6), 289-306, 2023. [NSYSU].
6. Tsung-Lin Lee and Y.L. Tsai. Nine equilibrium points of four point charges on the plane. *Appl. Math. Lett.*, Volume 132, Article 108207, 2022. [SCI, NSYSU].
7. C.S. Liu and Tsung-Lin Lee. A new family of generalized quadrature methods for solving nonlinear equations. *Asian-European Journal of Mathematics*, Volume 15(3), 2250044, 2022. [NSYSU].
8. C.S. Liu, H.K. Hong and Tsung-Lin Lee. A splitting method to solve a single nonlinear equation with derivative-free iterative schemes. *Math. Comput. Simulation*, 190:837-847, 2021. [SCI, NSYSU].
9. C.H. Luo, Z. Zhang, B. Peng, X. Xie, Tsung-Lin Lee and L.M. Tsai. The novel three-dimensional pulse images analyzed by dynamic L-cube polynomial model. *Medical & Biological Engineering & Computing*, 59:315-326, 2021. [SCI, NSYSU].
10. C.S. Liu and Tsung-Lin Lee. A new family of fourth-order optimal iterative schemes and remark on Kung and Traub's conjecture. *J. Math.*, Volume 2021, Article ID 5516694, 2021. [SCI, NSYSU].
11. Y.C. Kuo and Tsung-Lin Lee. Computing the unique CANDECOMP/PARAFAC decomposition of unbalanced tensors by homotopy method. *Linear Algebra Appl.*, 556:238–264, 2018. [SCI, NSYSU].
12. C.H. Luo, J.W. Ye, C.Y. Lin, Tsung-Lin Lee, L.M. Tsai and M.D. Shieh. L-cube polynomial for the recognition of normal and hypertensive string-like pulse mappings in Chinese medicine. *Informatics in Medicine Unlocked*, 12:27–33, 2018. [NSYSU].
13. Tsung-Lin Lee, T.Y. Li and Z. Zeng. RankRev: a Matlab package for computing the numerical rank and updating/downdating. *Numerical Algorithms*, 77(2):559–576, 2018. [SCI, NSYSU].
14. T. Chen, Tsung-Lin Lee and T.Y. Li. Mixed cell computation in Hom4PS-3. *J. Symbolic Comput.*, 79:516–534, 2017. [SCI, NSYSU].
15. W.F. Ke, K.F. Lai, Tsung-Lin Lee and N.C. Wong. Random Toeplitz operations and eigenvalue distribution. *J. Nonlinear Convex Anal.*, 17(9):1717–1728, 2016. [SCI, NSYSU].
16. W.F. Ke, K.F. Lai, Tsung-Lin Lee and N.C. Wong. Preconditioning random Toeplitz systems. *J. Nonlinear Convex Anal.*, 17(4):757–770, 2016. [SCI, NSYSU].
17. Y. Yao, Y.C. Liou, Tsung-Lin Lee and N.C. Wong. An iterative algorithm based on the implicit midpoint rule for nonexpansive mappings. *J. Nonlinear Convex Anal.*, 17(4):655–668, 2016. [SCI, NSYSU].
18. S. Bozoki, Tsung-Lin Lee and L. Ronyai. Seven mutually touching infinite cylinders. *Comput. Geom.*, 48:87–93, 2015. [SCI, NSYSU].
19. Y.C. Kuo and Tsung-Lin Lee. Tracking local optimality for cost parameterized optimization problems. *Comput. Phys. Comm.*, 185(2):572–577, 2014. [SCI, NSYSU].
20. T. Chen, Tsung-Lin Lee and T.Y. Li. Mixed Volume Computation in Parallel. *Taiwanese J. Math.*, 18(1):93–144, 2014. [SCI, NSYSU].

21. Tsung-Lin Lee, S.S. Lin, W.W. Lin, S.T. Yau and J. Zhu. Polynomial calculations in doppler tracking. *Commun. Inf. Syst.*, 12(2):155–182, 2012. [NSYSU].
22. Tsung-Lin Lee and T.Y. Li. Mixed volume computation in solving polynomial systems. *Contemp. Math.*, 556:97–112, 2011. [NSYSU].
23. Tsung-Lin Lee and M. Santoprete. Central configurations of the five-body problem with equal masses. *Cel. Mech. Dyn. Astr.*, 104:369–381, 2009. [SCI].
24. Tsung-Lin Lee, T.Y. Li and Z. Zeng. A rank-revealing method with updating, downdating and applications, Part II. *SIAM J. Matrix Anal. Appl.*, 31(2):503–525, 2009. [SCI]
25. Tsung-Lin Lee, T.Y. Li and C.H. Tsai. HOM4PS-2.0: a software package for solving polynomial systems by the polyhedral homotopy continuation method. *Computing*, 83:109–133, 2008. [SCI].

(B) 專書及其他著作

1. Tsung-Lin Lee. *A rank-revealing method for low rank matrices*. Saarbrücken, Germany, 2009. VDM Verlag.
2. Tianran Chen, Tsung-Lin Lee and Tien-Yien Li. Hom4PS-3: A Parallel Numerical Solver for Systems of Polynomial Equations Based on Polyhedral Homotopy Continuation Methods. In *Proceedings 8592, Mathematical Software – ICMS 2014 – 4th International Congress*, pages 183–190, Seoul, South Korea, 2014.