

Journal Papers

- Z.C. Gao, A. MacFie and D. Panario, Counting Words by Number of Occurrences of Some Patterns. *The Electronic J. Combin.*, **18**:P143, 2011.
- Z.C. Gao, D. Fong, and X. Liu, Mathematical Analyses of Casino Rebate Systems for VIP Gambling, *International Gambling Studies*, **11**(1) (2011), 93-106.
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- Z.C. Gao, [A formula for the bivariate map asymptotics constants in terms of the univariate map asymptotics constants](#). *The Electronic J. Combin.*, **17**(1):R1, 2010.
- E.R. Canfield, Z.C. Gao, C. Greenhill, B.D. McKay, and R.W. Robinson, [Asymptotic enumeration of correlation-immune boolean functions](#) , *Cryptogr. Commun.* **2**(1) (2010), 111 - 126.
- L. Dong, Z.C. Gao, D. Panario, and L.B. Richmond, [Asymptotics of Smallest Component Sizes in Decomposable Combinatorial Structures of Alg-Log Type](#). *Discrete Math and Theoretical Computer Science*, 2010.
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- Z.C. Gao and Han Ren, [Enumerative Properties of Rooted Circuit Maps](#), *Graphs and Combinatorics*, **26**, no. 4, (2010), 513-524.
- L. Dong, Z.C. Gao, and D. Panario, Enumeration of Decomposable Combinatorial Structures with Restricted Patterns, *Annals of Combinatorics*, **12** (2009), 357-372.
- Z.C. Gao, V. A. Liskovets, and N.C. Wormald, Enumeration of unrooted odd-valent regular planar maps, *Annals of Combinatorics*, **13** (2009), 233-259.
- E.A. Bender, Z.C. Gao, and L.B. Richmond, [The map asymptotic constants \$t_g\$](#) , *The Electronic J. Combin.*, **15**(1) (2008) R#51. (Please note that, in the published version, there are two typos in the differential equation on page 8, and the numerical value of the constant K on page 3 was not accurate.)
- Z.C. Gao and N.C. Wormald, Distribution of subgraphs of random regular graphs, *Random Structure and Algorithms* **32** (2008), 38 - 48.
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- P. Bose, J. Czyzowicz, Z. C. Gao, P. Morin, and D. Wood, Simultaneous diagonal flips in plane triangulations, *J. Graph Theory*, **54** (2007), 307-330.

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- G. Chen, Z.C. Gao, X. Yu, and W. Zang, Approximating long cycles in graphs with bounded degrees, *SIAM J. Comput.*, **36** (2006), 635--656.
- Z. C. Gao and D. Panario, Degree Distribution of the Greatest Common Divisor of Polynomials over F_q , *Random Structure and Algorithms*, **29** (2006), 26-37.

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- E.A. Bender, R. Canfield, and Z.C. Gao, Locally Restricted Compositions IV: Nearly Free Large Parts and Gap-Freeness, *Proceedings of Analysis of Algorithm*, 2012.
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