

PUBLICATIONS OF JEFFREY C. LAGARIAS

A. Books

1. *Mathematical Developments Arising from Linear Programming* (J. C. Lagarias and M. J. Todd, Eds), Contemporary Math. Vol. 114, Amer. Math. Soc. 1990.
2. *The Ultimate Challenge: The $3x + 1$ Problem* (J. C. Lagarias, Ed.), Amer. Math. Society, Providence, RI 2010.
3. *The Kepler Conjecture: The Hales-Ferguson proof, by Thomas C. Hales, Samuel P. Ferguson* (J. C. Lagarias, Ed.), Springer-Verlag: New York 2011.

B. Book Chapters

1. J. C. Lagarias, Point Lattices, Chapter 19 in: *Handbook of Combinatorics*, Amsterdam: Elsevier Science Publ. 1995, pp. 919–966.

C. Papers in Peer-Reviewed Journals

1. J. C. Lagarias, Discrete Balancing Games, Bulletin of the Institute of Mathematics, Academia Sinica **5** (1977), 363–373.
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16. J. C. Lagarias, Best Simultaneous Diophantine Approximations II. Behavior of consecutive best approximations, *Pacific J. Math*, **102** (1982), 61–88.
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G. Patents

1. No. 4,744,027, May 10, 1988. Method and apparatus for optimizing system operational parameters (with D. A. Bayer, N. Karmarkar).
2. No. 4,894,773, Jan. 16, 1990. Method and apparatus for optimizing system operational parameters through projective transformations.
3. No. 4,914,563, Apr. 3, 1990. Method and apparatus for optimizing system operational parameters through affine scaling (with N. Karmarkar).
4. No. 5,892,775, Apr. 6, 1999. Method and apparatus for providing error-tolerant storage of information (with N. S. Jayant).
5. No. 5,999,566, Dec. 7, 1999. Method and apparatus for providing error-tolerant communication of information (with N. S. Jayant)