

CURRICULUM VITAE

Mutoh Nobuaki

University of Shizuoka (Shizuoka, Japan)

School of Management and Information

Email: muto@u-shizuoka-ken.ac.jp

Phone: +81-54-264-5242

Address: 52-1 Yada, Suruga-Ward, Shizuoka-City, 422-8526 Japan

Education

1995 PhD in Engineering, Yokohama National Univ.

1992 MS in Engineering, Yokohama National Univ.

1990 BA in Engineering, Yokohama National Univ.

Research Topics

- Combinatorial Optimization in Discrete Geometry and Graph Theory
- Social Media and Social Networks

Refereed Journal Articles

[1] Midori Kobayashi, Brendan D. McKay, Nobuaki Mutoh, Gisaku Nakamura and Chie Nara. 3-Perfect hamiltonian decomposition of the complete graph. *Australasian Journal of Combinatorics*, vol. 56, pp. 219–224, 2013.

[2] Dudeney's round table problem and neighbour-balanced Hamilton decompositions Midori Kobayashi, Nobuaki Mutoh and Gisaku Nakamura. *JCMCC*. in press.

[3] Magic Squares with Powered Sum. Shozan Chikaraishi, Midori Kobayashi, Nobuaki Mutoh, Gisaku Nakamura. *Review of Management and Information, University of Shizuoka*, vol.24, no.1, pp. 15-20, 2011.

[4] Hiroshi Fukuda, Chiaki Kanomata, Nobuaki Mutoh, Gisaku Nakamura, Doris Schattschneider. Polyominoes and Polyiamonds as Fundamental Domains of Isohedral Tilings with Rotational Symmetry. *Symmetry* vol.3, no.4, pp. 828-851, 2011.

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Schattschneider. Symmetry of Isohedral Tilings of Polyominoes and Polyamonds as Fundamental Domains. Proc. of Japan Conference on Computational Geometry and Graphs, p. 52. 2009.11.

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[9] Kazumi Saito, Nobuaki Mutoh, Tetsuo Ikeda, Toshinao Goda and Kazuki Mochizuki. Improving Search Efficiency of Incremental Variable Selection by Using Second-order Optimal Criterion. Knowledge-based Intelligent Information and Engineering Systems, LNAI 5179, 41-49. Springer, 2008.

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[11] Nobuaki Mutoh, Hiroshi Fukuda, Tomoko Imae, Ayako Goto. Microphase Separation in Mixed Langmuir Monolayers. Membrane, vol. 28, no.3, pp.151-154. 2003.

[12] Jin Akiyama, Rika Mochizuki, Nobuaki Mutoh, and Gisaku Nakamura. Maximum distance for n points in a unit square or a unit circle. In Discrete and Computational Geometry, LNCS 2866, pp. 9-13. Springer, 2004.

[13] Nobuaki Mutoh. The polyhedra of maximal volume inscribed in the unit sphere and of minimal volume circumscribed about the unit sphere. In Discrete and Computational Geometry, LNCS 2866, pp. 204-214. Springer, 2004.

[14] Midori Kobayashi, Nobuaki Mutoh and Gisaku Nakamura. Multiple Dudeney Sets. Review of Management and Information, University of Shizuoka, vol.14, no.2, pp. 37-40. 2002.

[15] Midori Kobayashi, Nobuaki Mutoh, Kiyasu-Zen'iti and Gisaku Nakamura. New Series of Dudeney Sets for $p+2$ Vertices. ARS Combinatoria, vol. 65, pp. 3-20, 2002.

[16] Midori Kobayashi, Nobuaki Mutoh, Kiyasu-Zen'iti and Gisaku Nakamura. Double Dudeney sets for an odd number of vertices. Australasian Journal of Combinatorics, vol.26, pp.65-83, 2002.

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[19] Nobuaki Mutoh and Gisaku Nakamura. Visibility of disks on the lattice points. In

Discrete and Computational Geometry. Lecture Notes in Computer Science 1763, pp. 200-206. Springer, 2001.

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[21] Midori Kobayashi, Nobuaki Mutoh and Gisaku Nakamura. New infinite classes of 1-factorizations of complete graphs. Australasian Journal of Combinatorics, vol. 21, pp. 111-116. 2000.

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