ALDEN H. WRIGHT

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Education

Ph.D.   Mathematics, University of Wisconsin, Madison. 1969.
B. A.   Mathematics, Dartmouth College. 1964.

Positions and Employment

1969-1970   Assistant Professor, Mathematics, University of Utah, Salt Lake City, UT

1970-1974   Assistant Professor, Mathematics, Western Michigan University, Kalamazoo, MI

1974-1981   Associate Professor, Mathematics, Western Michigan University, Kalamazoo, MI

1981-1983   Professor, Mathematics, Western Michigan University, Kalamazoo, MI

1983-1986   Associate Professor, Computer Science, University of Montana, Missoula, MT

1986-2002   Professor, Computer Science, University of Montana, Missoula, MT

2002-2009   Professor and Chair, Computer Science, University of Montana, Missoula, MT

2009-present Research Professor, Computer Science, University of Montana, Missoula

2011 (January-June) Visiting Professor, Dept. of Information Science, University of Otago

Honors

1964	Phi Beta Kappa
1964-1968	National Science Foundation Graduate Fellowship, Mathematics
1970	National Science Foundation Research Grant, Junior Investigator
1973, 1975, 1980, 1983	WMU Summer Faculty Research Fellowship
1978-1979	Sabbatical spent at the School of Operations Research, Cornell University
1993-1994	Sabbatical at the Department of Computer Science, University of Tennessee
2001-2002	Sabbatical at the School of Computer Science, University of Birmingham, UK
1988, 1990, 1994, 1996, 1997, 2005	University of Montana Merit Raises

Selected peer-reviewed publications (in chronological order).

1. *Mitavskiy, B., J. Rowe, A. Wright, and L. Schmitt. 2006.* Exploiting Quotients of Markov Chains to Derive Properties of the Stationary Distribution of the Markov Chain Associated to an Evolutionary Algorithm, p. 726-733. *Simulated Evolution and Learning.*

2. Poli, R., A. H. Wright, N. F. McPhee, and W. B. Langdon. 2006. Emergent Behaviour, Population-based Search and Low-pass Filtering. *IEEE Transactions on Evol Comput*:88-95.

3. Rowe, J. E., M. D. Vose, and A. H. Wright. 2006. Differentiable coarse graining. Theor. Comput. Sci. 361:111-129.

4. Mitavskiy, B., J. E. Rowe, A. Wright, and L. M. Schmitt. 2008. Quotients of Markov chains and asymptotic properties of the stationary distribution of the Markov chain associated to an evolutionary algorithm. *Genetic Programming and Evolvable Machines* 9:109-123.

5. Richter, J. N., A. H. Wright, and J. Paxton. 2008. Ignoble Trails - where crossover is provably harmful. *10th International Conference on Parallel Problem Solving from Nature*. Technische Universität, Dortmund, Germany.

6. *Rowe, J. E., and M. D. Vose. Reinterpreting No Free Lunch. Evolutionary Computation, 17 (1) 2009, 117-129.*

7. Rowe, J.E., Vose, M.D. and Wright, A.H., 2010. Representation invariant genetic operators. *Evolutionary Computation*, *18*(4), pp.635-660

8. Ovaska, S. J, B. Sick, and A. H. Wright, 2009. Periodical Switching between Related Goals for Improving Evolvability to a Fixed Goal in Multi-Objective Problems, *Information Sciences, 179:4046-4056*.

9. Wright, A. H., T. Gedeon, T., and J. N. Richter, 2011. On the Movement of Vertex Fixed Points in the Simple GA. *Foundations of Genetic Algorithms XI, SIGEVO*.

10. Whigham, P. A., Dick, G., Wright, A., and Spencer, H. J. 2013. Structured populations and the maintenance of sex. EvoBIO 2013. Lecture Notes in Computer Science 7833.

11. Laue, C.L. and Wright, A.H., 2019. Landscape revolutions for cultural evolution: Integrating advanced fitness landscapes into the study of cultural change. In *Handbook of Evolutionary Research in Archaeology* (pp. 127-147). Springer, Cham.

12. Wright, A.H. and Laue, C.L., 2021, June. Evolvability and complexity properties of the digital circuit genotype-phenotype map. In *Proceedings of the Genetic and Evolutionary Computation Conference* (pp. 840-848).