

Wim Hordijk, Ph.D.

Publications

Journals and proceedings

- 65.** W. Hordijk and M. Steel. Autocatalytic networks at the basis of life's origin and organization. *Life* 8:62, 2018.
- 64.** W. Hordijk, J. Naylor, N. Krasnogor and H. Fellermann. Population dynamics of autocatalytic sets in a compartmentalized spatial world. *Life* 8:33, 2018.
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- 61.** W. Hordijk, M. Steel and P. Dittrich. Autocatalytic sets and chemical organizations: Modeling self-sustaining reaction networks at the origin of life. *New Journal of Physics* 20:015011, 2018.
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- 52.** W. Hordijk and M. Steel. Comment on “Tibor Gánti and Robert Rosen” by Athel Cornish-Bowden. *Journal of Theoretical Biology* 392:122–123, 2015.
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- 49.** W. Hordijk, A. Hordijk and B. Heidergott. A genetic algorithm for finding good balanced sequences in a customer assignment problem with no state information. *Asia-Pacific Journal of Operational Research* 32(3):1550015, 2015.
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- 45.** W. Hordijk and M. Steel. Conditions for evolvability of autocatalytic sets: A formal example and analysis. *Origins of Life and Evolution of Biospheres* 44(2):111–124 , 2014.
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- 43.** W. Hordijk, L. Hasenclever, J. Gao, D. Mincheva and J. Hein. An investigation into irreducible autocatalytic sets and power law distributed catalysis. *Natural Computing*, 13(3):287–296, 2014.
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- 26.** S. Guindon, J-F. Dufayard, V. Lefort, M. Anisimova, W. Hordijk and O. Gascuel. New algorithms and methods to estimate maximum-likelihood phylogenies: Assessing the performance of PhyML 3.0. *Systematic Biology* 59(3):307–321, 2010.
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- 7.** W. Hordijk, J. P. Crutchfield and M. Mitchell. Mechanisms of emergent computation in cellular automata. In A. E. Eiben, Th. Bäck, M. Schoenauer, and H-P. Schwefel (eds.), *Parallel Problem Solving from Nature — PPSN V*, Springer, pp. 613–622, 1998.
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- 30.** W. Hordijk. Workshop report: Developmental biases in evolution. *Extended Evolutionary Synthesis Blog*, November 20, 2018.
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- 29.** W. Hordijk. From an ecologist’s nightmare to a mathematician’s dream. *Plus magazine*, November 6, 2018.
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- 28.** W. Hordijk. The evolution of emergent computation. *TVOL*, 10 September 2018.
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- 16.** W. Hordijk. Can computers help us conserve biodiversity? *The Naked Scientists*, February 15, 2017.
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- 15.** W. Hordijk. A perfect view from mount le Grammont. *Swiss Vistas*, January 23, 2017.
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