

3 論文リスト

1. C. Matsuoka and K. Hiraide, Detecting all homoclinic points in nonlinear discrete dynamical systems, in preparation.
2. K. Hiraide, A proof of the Fatou conjecture, in preparation.
3. K. Hiraide and C. Matsuoka, Analytic solutions to nonlinear difference equations associated with Henon maps and a computational realization of stable and unstable manifolds, submitted to *Nonlinearity*.
4. C. Matsuoka and K. Hiraide, Computation of entropy and Lyapunov exponent by a shift transform, *Chaos* 25, 1031101-6 (2015).
5. C. Matsuoka and K. Hiraide, Entropy estimation of the Henon attractor, *Chaos Solitons Fractal* 45, 805-809 (2012).
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10. N. Aoki and K. Hiraide, *Topological theory of dynamical systems. Recent advances*, North-Holland Mathematical Library 52. North-Holland, Amsterdam, 416 pp. (1994) ISBN: 9780444899170, pbk ISBN: 9780444558565, eBook ISBN: 9780080887210
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18. K. Hiraide, Expansive homeomorphisms with the pseudo-orbit tracing property on compact surfaces, *J. Math. Soc. Japan* 40, 123–137 (1988).
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20. K. Hiraide, On Homeomorphisms with Markov Partitions, *Tokyo J. Math.* 8, 219-229 (1985).
21. N. Aoki and K. Hiraide, The linearization of positively expansive maps of tori, *Proceedings of the Conference on the theory of dynamical systems and its applications to nonlinear problems*, World Sci. Publishing, 27-31 (1984).

下記は辞書等の出版物のリストである.

1. 岩波数学辞典第4版, 平出 耕一 (担当: 分担執筆, 範囲: 双曲力学系), 岩波書店, (2007)
2. Topological Discrete Dynamical Systems, N.Aoki and K.Hiraide, *Encyclopedia of General Topology*, Elsevier Science, 385-401 (2003).
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また、数理解析研究所講究録に計 16 本の出版物があるが、今後の研究に関連する以下のものを除いて省略する：

1. “複素 1 次元多項式に対する正則運動 (力学系理論の最近の進展とその応用)”, K. Hiraide, *数理解析研究所講究録* **2223**, 75-87 (2022).
2. “ C^2 のエノン写像の力学系に現れる非線形ストークス現象 (数理科学の諸問題と力学系理論の新展開)”, K. Hiraide, *数理解析研究所講究録* **2181**, 134-144 (2021).
3. “力学系の最小スペクトルと応用 (双曲型力学系から大自由度力学系へ)”, K. Hiraide, *数理解析研究所講究録* **1688**, 144-156 (2010).