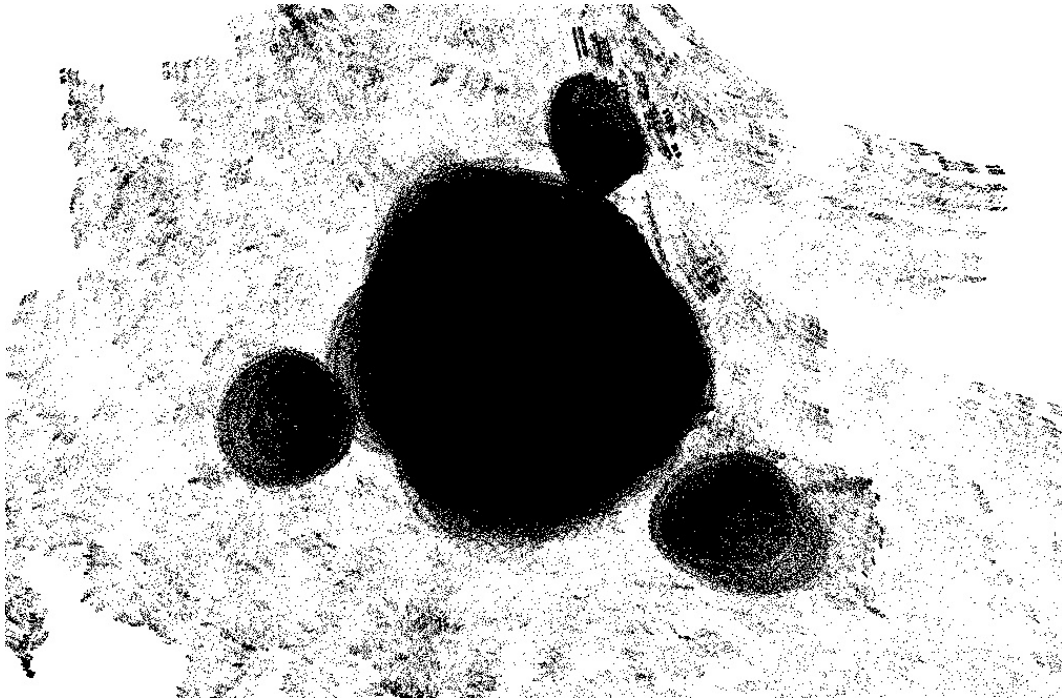


# Siegel ball and Reinhardt domain in complex Hénon dynamics

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The Hénon map can have a locally linearizable fixed point with eigenvalues of modulus 1. The so-called "Siegel ball" can be linearized to a logarithmically convex complete Reinhardt domain. Numerical trial of linearization will be presented.

Hénon map and rational automorphism of rational surface can have multiple Siegel balls. Self-anti-conjugacy of the dynamics makes the coexistence possible. Problem of coexistence of Siegel balls was suggested by E. Bedford.



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