

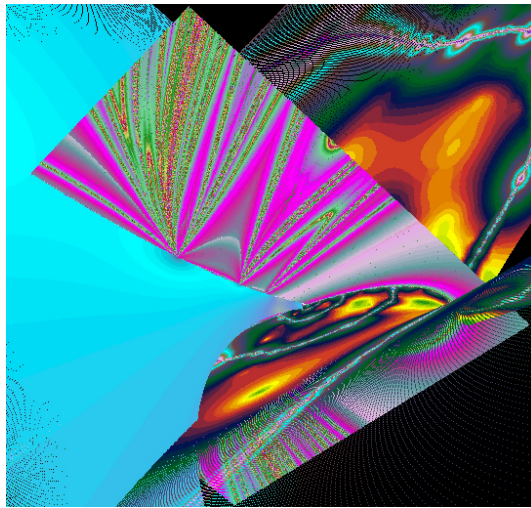
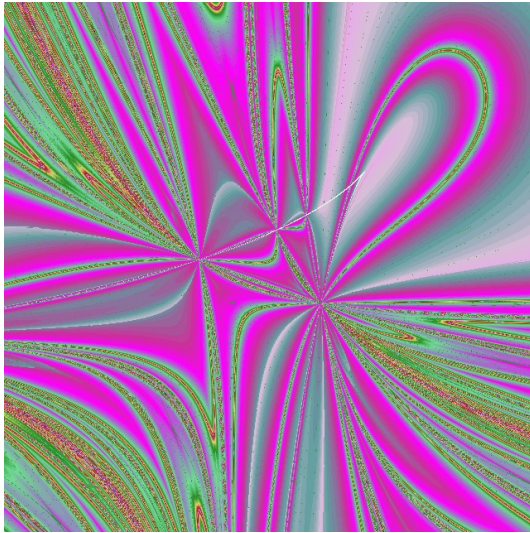
Julia set of compact surface automorphism of positive entropy – an example of $J^* \neq J$

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There exists an automorphism of rational surface, whose Julia set, the closure of the set of saddle points, and the support of the measure of maximal entropy are different.

Julia set of a surface automorphism is visualized.

The real slice and the stable and unstable manifold of a saddle point.



Unstable manifold and stable manifold of a saddle periodic point in the Julia set.

