

Dynamics of toric rational maps

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I will describe a class of rational maps in two complex variables that preserve the meromorphic two form $\eta = dx \wedge dy / (xy)$. This property makes their dynamics easier to study, while still providing rich examples. Indeed, the mappings that were recently proved by Bell-Diller-Jonsson to have transcendental dynamical degree preserve η . Such mappings do not admit algebraically stable models. In this talk I will explain my joint work with Jeffrey Diller investigating the equidistribution and ergodic properties of these mysterious mappings.

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