

## Dynamics of rational maps in dimension 2 and the renormalization map for the iterated monodromy group of the Basilica map

*mercredi 11 juin 2025 15:00 (50 minutes)*

We will look at the dynamics of a family of birational maps on  $\mathbb{R}^2$  and  $\mathbb{C}^2$ . Then we will discuss a non-invertible rational map acting in dimension 2. This map arises as the renormalization map in the Iterated Monodromy group of the Basilica map.

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