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Homogeneous vector fields on $\mathbb{C}^2$ and meromorphic connections on $\mathbb{P}^1(\mathbb{C})$

lundi 10 juillet 2023 10:30 (50 minutes)

Following the work of Abate, Bracci, and Tovena, I will explain a relation between the real integral curves of a homogeneous vector field on $\mathbb{C}^2$ and the geodesics for a suitable meromorphic connection on $\mathbb{P}^1(\mathbb{C})$. The result partially generalizes in higher dimensions

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