ID de Contribution: **14**                                                     Type: **Non spécifié**

# Local dynamics of biholomorphisms (4)

*jeudi 13 février 2025 09:00 (1 heure)*

The goal of this series of lecture is to present the relation between the dynamics of germs $f : (\mathbb{C}^2, 0) \to (\mathbb{C}^2, 0)$ tangent to the identity, the real-time dynamics of homogeneous vector fields in $\mathbb{C}^2$ and the dynamics of the geodesic flow on affine surfaces.

In the fourth lecture, we will explain how, using the dynamics of the geodesic flow on affine surfaces, one can recover several known results on the existence of parabolic domains for germs $f : (\mathbb{C}^2, 0) \to (\mathbb{C}^2, 0)$ tangent to the identity.

**Orateur:**   BUFF, Xavier (Institut de Mathématiques de Toulouse)