ID de Contribution: **9**                                    Type: **Non spécifié**

# Local dynamics of skew-products tangent to the identity

*mercredi 12 juillet 2023 14:00 (50 minutes)*

The results we will present in this talk deal with local dynamics of skew-products $P$ with a (non-degenerate) tangent to the identity fixed point at the origin. We will give an explicit sufficient condition on its coefficients for $P$ to have wandering Fatou components. In particular, we will see that the dynamics of quadratic maps of the form $(z, w) \mapsto (z - z^2, w + w^2 + bz^2)$ is surprisingly rich: under an explicit arithmetic condition on $b$, these maps have an infinity of grand orbits of wandering Fatou components, all of which admit non-constant limit maps. The main technical result is a parabolic implosion-type theorem, in which the renormalization limits that appear are different from previously known cases.

Travail en collaboration avec Luka Boc Thaler

**Orateur:**   ASTORG, Matthieu