

Oberseminar Geometrie	Wednesday 17th April 2013
Department of Mathematics	10:20–12:00
University of Fribourg	Seminar room, Math. II (Lonza)

JULIE DÉSERTI (Paris 7, visiting Basel)

‘Embeddings of $\mathrm{SL}(2, \mathbb{Z})$ into the Cremona group.’

We can describe the embeddings of $\mathrm{SL}(3, \mathbb{Z})$ into the Cremona group up to birational conjugacy, and this allows us to prove that $\mathrm{SL}(n, \mathbb{Z})$ does not embed into the Cremona group as soon as $n > 3$. In the talk I will focus on the embeddings of $\mathrm{SL}(2, \mathbb{Z})$ into the Cremona group, a situation that is completely different from the previous ones.