

Séminaire d'algèbre, géométrie et topologie  
Jeudi 13 novembre à 14h  
Salle I

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*Combinatorial models for mapping class groups*

In 1997 Ivanov proved that the automorphism group of the complex of curves associated to a surface  $S$  is isomorphic to the extended mapping class group  $\text{Mod}(S)$ , for most surfaces. His work generated a flurry of activity, with similar results obtained by several different authors for various other simplicial complexes associated to surfaces. Ivanov then posed a “metaconjecture” stating that every “sufficiently rich” complex associated to a surface  $S$  has  $\text{Mod}(S)$  as its group of automorphisms. In this talk we will discuss a resolution of Ivanov’s metaconjecture for a wide class of complexes.

This is joint work with Dan Margalit.