

Département de Mathématiques d'Orsay



UNIVERSITÉ PARIS-SACLAY FACULTÉ DES SCIENCES D'ORSAY



Generic properties of elements of the mapping class group and random walks on hyperbolic spaces

Jeudi 3 mars 2011 14 :00-15 :00

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Ottawa

Résumé :The notion of relative hyperbolicity readily provides numerous natural examples of non-proper hyperbolic spaces. One of the most striking examples arises in the Teichmuller theory and is based on the Masur-Minsky theorem on hyperbolicity of the curves complex. Its combination with earlier work of Kaimanovich-Masur on random walks on the mapping class group recently led Maher to a proof of genericity of pseudo-Anosov elements in subgroups of the mapping class group. In the talk we shall discuss further generalizations of this result as well as various problems related to random walks on non-proper hyperbolic spaces.

bât. 425

121-123

Plus d'infos...