

ATELIER « ACTIONS DE GROUPE ET DYNAMIQUE »
4 – 8 OCTOBRE 2010

WORKSHOP ON “GROUP ACTIONS AND DYNAMICS”
OCTOBER 4 – 8, 2010

Topology and geometry of outer space

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OUTLINES :

Talk 1. Comparisons of $\text{Out}(F_n)$ with mapping class groups and $\text{SL}_n(\mathbb{Z})$. Review of Nielsen–Thurston theory.

Talk 2. Definition of Culler–Vogtmann’s Outer space and the spine. Topological properties. Algebraic consequences.

Talk 3. Geometry of Outer space. Train tracks for automorphisms of free groups.

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