

ATELIER « ÉQUATIONS ET PROPRIÉTÉS DU PREMIER ORDRE DANS LES GROUPES »  
11 – 15 OCTOBRE 2010

WORKSHOP ON “EQUATIONS AND FIRST-ORDER PROPERTIES IN GROUPS”  
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## Conjugacy classes of solutions to systems of equations over hyperbolic groups

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I will describe an algorithm that determines whether or not a given system of equations and inequations over a torsion-free hyperbolic group has infinitely many conjugacy classes of solutions. One application is to enumerate ‘immutable’ subgroups.

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