

ATELIER « ÉQUATIONS ET PROPRIÉTÉS DU PREMIER ORDRE DANS LES GROUPES »
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WORKSHOP ON “EQUATIONS AND FIRST-ORDER PROPERTIES IN GROUPS”
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Algebraic theory of equations in a free group

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Solving equations in free groups played one of the key parts in our solution of the Tarski problems. It seems, a new structural theory of solutions of equations over groups is taking its shape. I am going to discuss this area. In particular, I will describe algebraic, transcendental and reducing solutions of equations and show several structural and finiteness results.

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