Welcome to International Group Theory Web Seminar

Abderezak Ould Houcine

"Algebraic & definable closure in free groups."

Apr 14, 12:00pm (New York Time).

Abstract:

We prove that if F is a free group of finite rank and A is a nonabelian subgroup of F such that F is freely indecomposable with respect to A, then A, then A (A) coincides with the vertex group in the generalized cyclic JSJ-decomposition of F with respect to A. We show that A (A) is a free factor of A and in particular they coincide in a free group of rank 2. In the general case, we show that a free group whose rank is greater than A contains a subgroup A such that A (A) neq dcl(A). This answers a question of Z. Sela.

This is a joint work with D. Vallino.

Next presentation: Apr 28. Andrei Nikolaev

