Welcome to Algebraic Cryptography Center Web Seminar

Olga Kharlampovich (McGill University).

" Groups Acting on Trees "

October 22, 9:00am (New York Time).

Abstract:

In this talk I will describe some important techniques that we used to work with fully residually free (limit) groups. We used these techniques (infinite words and so-called elimination processes) in our work on the elementary theory of a free group. Fully residually free groups appear naturally in geometry, algebra, and logic, though under different names. In particular, they act freely on Z^n -trees. It seems that our methods can provide an adequate tool to attack some open problems concerning with the algebraic structure of finitely generated groups acting freely on Λ-trees for arbitrary ordered abelian group Λ. The talk is based on joint results with A. Myasnikov and D. Serbin.

Algebraic Cryptography Center