

Welcome to Algebraic Cryptography Center Web Seminar

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“Regular completions of Z^n -free groups”

Dec 3, Time: 9:00am (New York Time).

Abstract:

Z^n -free groups (or groups acting freely on Z^n -trees) form a big subclass of groups which are hyperbolic relative to their maximal abelian subgroups. The fact that all such groups possess free length functions with values in Z^n makes it possible to explore their properties using infinite words techniques. In my talk I am going to show how any Z^n -free group G can be embedded into a finite chain of HNN-extensions of special type so that the length function on G is preserved under the embedding.

