



Università degli Studi di Palermo

Dipartimento di Matematica e Informatica

Words and Automata Research Group

SEMINAR ANNOUNCEMENT

Title: On the Generation of L-Convex Polyominoes

Prof. Paolo Massazza, University of Insubria

Thursday 14th March 2013, 3 p.m.

Room 3

Via Archirafi 34, 90123 Palermo

Abstract:

We present a simple but efficient method for generating the set $L\text{Pol}(n)$ of L-convex polyominoes of size n . We show a bijection between $L\text{Pol}(n)$ and a suitable set of pairs of integer sequences. This lets us design a CAT (Constant Amortized Time) algorithm for generating $L\text{Pol}(n)$ using $O(\sqrt{n})$ space.

All interested people, in particular students, are invited to participate.