Words and Automata Research Group

UNIVERSITÀ DEGLI STUDI DI PALERMO

Seminar Announcement

Coloring factors in infinite words

Manuel Silva (Universidade Nova de Lisboa)

Thursday 17th November 2016, 3 p.m.

Room 7, Via Archirafi 34, 90123 Palermo

We consider infinite words that arise as fixed points of primitive substitutions on a finite alphabet and finite colorings of their factors. We generalize two combinatorial results by Justin and Pirillo concerning arbitrarily large monochromatic k-powers occurring in infinite words. We will also give new examples of classes of infinite words that do not allow infinite monochromatic factorizations.
(joint work with A. Bernardino and R. Pacheco).

For further information:

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