



Centro de Matemática
Universidade do Porto

Seminar on Semigroups, Automata and Languages

On the conjecture of unbounded palindromic length

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Abstract: In a 2013 paper with S. Puzynina and L. Zamboni, we stated the following conjecture: Let w be an aperiodic infinite word, that is, a sequence of symbols not ending by an infinite repetition of the form $uuu\dots$. Then for every $K > 0$ there exists a prefix of w which cannot be decomposed into a concatenation of less than K different palindromes.

The conjecture stays unproven, but I will give a survey on recent advances on it and possible methods for the general proof.

Date: Friday, 9 December 2022, 14:30

Place: Online Zoom meeting



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