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Periodicity of Rauzy scheme and substitutional systems

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In the paper the notion of {\em Rauzy scheme} is introduced. From Rauzy graph Rauzy Scheme can be obtaining by uniting sequence of vertices of ingoing and outgoing degree 1 by arches. This notion is a tool to describe Rauzy graph behavior. For morphic superword we prove periodicity of Rauzy schemes. This is generalization of fact that quadratic irrationals have periodic chain fractions.

Comments: in Russian

Subjects: **Dynamical Systems (math.DS)**; Combinatorics (math.CO)

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