

POLYNOMIAL FUNCTIONS AND SEQUENTIAL PRODUCTS

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Abstract: Copyless cost-register automata are a recently defined fragment of weighted automata. In this talk I will discuss some of our recent results regarding their expressiveness and decidability properties. In particular I will sketch undecidability of the equivalence problem for linear copyless cost-register automata over the tropical semiring, disproving a conjecture of Alur et al. from 2012.