Università degli Studi di Palermo

Dipartimento di Matematica e Informatica

Words and Automata Research Group

ANNUNCIO DI SEMINARIO

Titolo: Jumping Finite Automata

Alexander Meduna, Brno University of Technology

Giovedì 9 Maggio 2013, ore 15
Aula 7
Via Archirafi 34, 90123 Palermo

Abstract:

This talk discusses new versions of finite automata. They work like classical finite automata except that they read input words discontinuously—that is, after reading a symbol, they can jump over some symbols within the words and continue their computation from there, hence their name—jumping finite automata. The talk gives several results concerning jumping finite automata in terms of commonly investigated areas of automata theory, such as decidability and closure properties. Perhaps most importantly, it demonstrates differences between jumping finite automata and classical finite automata. In its conclusion, the talk formulates several open problems and suggests future investigation areas.

Tutti gli interessati, in particolare gli studenti, sono invitati a partecipare.