

Oberseminar Theoretische Informatik
Wintersemester 2006/07

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Monotonicity of Restarting Automata

Mo, 22.01.2007 um 14 Uhr (c.t.) im SR 226 (Carl-Zeiß-Str. 3, 2. Stock).

Restarting automata constitute a special class of regulated length-reducing rewriting systems. In this paper, several versions of these automata and a (strict) monotonicity property imposed on their computations are considered. This yields three natural possibilities for defining when an automaton is (strictly) monotonic.

A taxonomy of the relevant language classes is provided, and the decidability questions for the studied properties are answered.

Internetseite der Veranstaltung:

<http://theinf1.informatik.uni-jena.de/teaching/ws0607/oberseminar-ws0607>