

New representations for (max,+)-automata with applications to the performance evaluation of discrete event systems

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Mots-cl�s	(max,+) automata [4], discrete event system [5], performance evaluation [6]
R�sum� en anglais	<p>A large class of timed discrete event systems can be modeled thanks to (max,+)-automata, that is automata with weights in the so-called (max,+) algebra. In this contribution, new representations are proposed for (max,+)-automata. Indeed, specific recursive equations over (max,+) and (min,+) algebras are shown to be suitable for describing extremal behaviors of (max,+)-automata. It is underlined that several performance evaluation elements, such as maximum and minimum string execution times, can be easily derived from these representations.</p>
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Lien vers le document en ligne	http://193.49.146.171/~lahaye/Publis/WODES12_bsb.pdf [8]

Liens

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- [2] <http://okina.univ-angers.fr/sebastien.lahaye/publications>
- [3] <http://okina.univ-angers.fr/jeanlouis.boimond/publications>
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- [5] [http://okina.univ-angers.fr/publications?f\[keyword\]=5875](http://okina.univ-angers.fr/publications?f[keyword]=5875)
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