



Synchronous composition of interval weighted automata

Submitted by Emmanuel Lemoine on Thu, 01/30/2014 - 15:34

Titre	Synchronous composition of interval weighted automata
Type de publication	Communication
Type	Communication avec actes dans un congrès
Année	2010
Langue	Anglais
Date du colloque	2010
Titre du colloque	International Workshop on Discrete Event Systems (WODES)
Auteur	Komenda, Jan [1], Lahaye, Sébastien [2], Boimond, Jean-Louis [3]
Pays	Allemagne
Ville	Berlin
Mots-clés	(max,+) automata [4], synchronous product [5], timed automata [6]
Résumé en anglais	Interval weighted automata are introduced as automata with weights in a product dioid (idempotent semiring). They constitute an extension of (max,+) automata since they enable us to model temporal constraints (instead of exact durations) for transitions. Their synchronous composition, which coincides with the synchronous product of underlying (one clock) timed automata, results in multi-event interval weighted automata, whose behaviors are studied. Our approach is illustrated by an example.
Notes	Date du colloque : 08/2010
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Lien vers le document en ligne	http://193.49.146.171/~lahaye/Publis/WODES10_klb.pdf [8]

Liens

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