



# Trajectory Tracking Control of a Timed Event Graph with Specifications Defined by a P-time Event Graph

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Résumé en anglais	The aim of this paper is a trajectory tracking control of Timed Event Graphs with specifications defined by a P-time Event Graph. Two problems are solved on a fixed horizon knowing the current state: The optimal control for favorable past evolution; The prediction of the earliest future evolution of the process. These two parts make up an on-line control which is used on a sliding horizon. Completely defined in (max, +) algebra, the proposed approach is a Model Predictive Control using the componentwise order relation.
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- [2] [http://okina.univ-angers.fr/publications?f\[author\]=2004](http://okina.univ-angers.fr/publications?f[author]=2004)
- [3] [http://okina.univ-angers.fr/publications?f\[author\]=2492](http://okina.univ-angers.fr/publications?f[author]=2492)
- [4] [http://okina.univ-angers.fr/publications?f\[author\]=2493](http://okina.univ-angers.fr/publications?f[author]=2493)
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