

On Timed Event Graph Stabilization by Output Feedback in Dioid.

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Abstract: This paper deals with output feedback synthesis for Timed Event Graphs (TEG) in dioid algebra. The feedback synthesis is done in order to

- (1) stabilize a TEG without decreasing its original production rate,
- (2) optimize the initial marking of the feedback,
- (3) delay as much as possible the tokens input.

Keywords: Time Event Graphs; max-plus algebra; feedback synthesis;

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