

Models Combination in $(\text{MAX},+)$ Algebra for the Implementation of a Simulation and Analysis Software.

Sébastien Lahaye; Laurent Hardouin; Jean-Louis Boimond

Abstract: This paper presents a modeling methodology in $(\text{max},+)$ algebra which has been developed in order to implement a modular software for the simulation and the analysis of electronic cards production lines. More generally, this approach may be applied to hybrid flowshop type manufacturing systems.

Keywords: discrete event systems; max-plus algebra; assembly lines; modeling; simulation;

AMS Subject Classification: 06F05; 93A30; 93C65; 93C65;