

discrete continuous and hybrid pdf

A Case for Hybrid Discrete-Continuous Architectures Simha Sethumadhavan, Member, IEEE, Ryan Roberts, and Yannis Tsvividis, Fellow, IEEE ... alternate computing model, a hybrid of discrete and continuous computing models (HDCA), (Section 3) and its benefits (Section 4).

A Case for Hybrid Discrete-Continuous Architectures

Petri Nets were introduced and still successfully used to analyze and model discrete event systems especially in engineering and computer sciences such as in automatic control. Recently this discrete Petri Nets formalism was successfully extended to continuous and hybrid systems.

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understanding of continuous and hybrid Petri nets, while preserving the consistency of basic concepts throughout the book. For example, the notions of multiple firing and enabling degree are "similar" for discrete and continuous (hence, hybrid) Petri nets, and, when time is involved, the concepts of immediate

Discrete, Continuous, and Hybrid Petri Nets

Hybrid discrete and continuous-variable quantum information Ulrik L. Andersen,¹ Jonas S. Neergaard-Nielsen,¹ Peter van Loock,² and Akira Furusawa³ ¹Department of Physics, Technical University of Denmark, Fysikvej, 2800 Kongens Lyngby, Denmark ²Institute of Physics, Johannes-Gutenberg University at Mainz, Staudingerweg 7, 55128 Mainz, Germany

Hybrid discrete- and continuous-variable quantum information

multiple firing and enabling degree are "similar" for discrete and continuous (hence, hybrid) Petri nets, and, when time is involved, the concepts of immediate transition and simultaneous firing are "similar" in all the models (discrete, continuous and hybrid). This homogeneity of concepts provides a unified framework for all the models presented.

Discrete, Continuous, and Hybrid Petri Nets

HYBRID DISCRETE-CONTINUOUS CONTROL SYSTEMS: I ... 1527 equations in the adjoint system is an important aspect. In the case of stationary HDC systems, one can simplify the form of the adjoint system and, in particular, consider the natural time direction in it.

Hybrid Discrete-Continuous Control Systems: I

Hybrid Discrete-Continuous Markov Decision Processes Zhengzhu Feng Department of Computer Science University of Massachusetts Amherst, MA 01003-4610 fengzz@cs.umass.edu Abstract This paper proposes a Markov decision process (MDP) model that features both discrete and continuous state variables.

Hybrid Discrete-Continuous Markov Decision Processes

Modelling of Continuous-discrete Systems with Hybrid ... Keywords: hybrid systems, means of description, Petri Nets, differential equations, modelling ... The subject of continuous-discrete ...

Modelling of Continuous-discrete Systems with Hybrid Petri

HYBRID SIMULATION OF CONTINUOUS-DISCRETE SYSTEMS Vishal Bahl and Andreas A. Linninger ... The application of the simulation language is illustrated by means of a continuous-discrete implementation of a Dynamic Matrix Control strategy. ... Escape10_HybridSimulation.PDF

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