

论文与报告

DEDS对象化高级Petri网模型研究--对象化高级Petri网上的一致性网络

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摘要

针对对象化高级Petri网缺乏标识的状态空间度量,采用谓词集对各位置上的可达标识进行完全划分,形成与加色网等价的一致性网络.原网络的语言是其任何一个一致性网络语言的子集,因而可以用加色网来定义及分析对象化高级Petri网的各种不变量.

关键词 [对象化高级Petri网](#) [一致性网络](#) [加色网](#)

分类号

Modeling Deds With Object-oriented High-Level Retri Nets--Consistent Nets on Objectoriented High-level Petri Nets

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Abstract

In this paper, in order to deal with the non-determinism of the firings of transitions in O-nets, predicates are used to classify the markings at places. Consistent nets, which are exactly equivalent to colored Petri nets, are formed upon O-nets. The language of an O-net is a sublanguage of any of its consistent nets, which means that the invariants of O-nets can be defined and analyzed with respects to conventional coloured Petri nets.

Key words [Object-oriented high-level Petri nets](#) [colourde nets](#) [consistent nets](#)

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