



## 基于增强型扩展的面向对象Petri网模型的装备保障能力评估建模 无

**摘要:** 提出了一种可用于装备保障能力评估的增强型扩展的面向对象Petri网(GOOPN++)模型, 给出了该模型形式化描述, 引入了抽象库所、抽象变迁、消息颜色以及对象间的消息传递函数等新的概念, 更好地体现了面向对象的思想, 具有很好的模块化、继承性、重用性和可维护性, 能够反映复杂系统的动态柔性特点, 最后给出实例。

**关键词:** 装备保障; 能力评估; 扩展的面向对象Petri网模型

**中图分类号:** TP202

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**Abstract:** A new generalized object oriented Petri net(GOOPN++) model which can be used to evaluate the capability of equipment support was proposed. Its formal definition was given. The abstract place, abstract transition, message color and the message transferring function between objects were introduced in this model. This model has good modularity, inheritability, reusability, and maintainability, and can reflect flexibility and dynamic features of complex system. An example was given in the paper.

**Key Words:** equipment support; capability assessment; generalized object oriented Petri nets model

发布人:sy

发布时间:2006年4月27日

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