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# 一种并发的BDI-Agent模型

王一川, 石纯一

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王一川, 石纯一 (清华大学 计算机科学与技术系, 北京 100084)

第一作者: 王一川(1973—), 男, 浙江上虞人, 博士, 主要研究领域为多Agent技术.

联系人: 王一川 Telephone: 86-10-62785592, E-mail: wangyc99@mails.tsinghua.edu.cn

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## Abstract

Based on macro-time and micro-time, a BDI-Agent model with branch time tree is defined. In this model, parallel actions in macro-time are interleaving in micro-time. The mental state of Agent is constructed on macro-time, and the semantics of concurrent actions are given in micro-time level. Thus, it can be a proper logic basis for describing multi-Agent cooperation and competition that involve concurrent, and it can advance the work in Agent models developed by Rao & Georgeff, Singh and Werner et al.

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## 摘要

在区分宏观时间和微观时间的基础上,建立了分支时间结构的并发BDI-Agent模型,在微观时间上以交叠方式描述了宏观时间中的并行性.Agent的思维状态是建立在宏观时间上的,并发动作语义由相应的微观时间结构给出.为基于并发的多Agent合作和竞争提供了合适的逻辑基础,推进了

Rao&Georgeff,Singh和Werner等人有关Agent模型方面的工作.

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