

多源信息融合专刊

基于强化学习的多任务联盟并行形成策略

蒋建国, 苏兆品, 齐美彬, 张国富

1. Department of Computer and Information Science, Hefei University of Technology, Hefei 230009, P.R. China

收稿日期 2007-5-30 修回日期 2007-9-21 网

络版发布日期 接受日期

摘要

Agent coalition is an important manner of agents' coordination and cooperation. Forming a coalition, agents can enhance their ability to solve problems and obtain more utilities. In this paper, a novel multi-task coalition parallel formation strategy is presented, and the conclusion that the process of multi-task coalition formation is a Markov decision process is testified theoretically. Moreover, reinforcement learning is used to solve agents' behavior strategy, and the process of multi-task coalition parallel formation is described. In multi-task oriented domains, the strategy can effectively and parallel form multi-task coalitions.

关键词 [Multi-task coalition parallel formation](#) [Markov decision process](#) [reinforcement learning](#)

分类号

Multi-task Coalition Parallel Formation Strategy Based on Reinforcement Learning

扩展功能

本文信息

▶ [Supporting info](#)

▶ [PDF\(437KB\)](#)

▶ [\[HTML全文\]\(0KB\)](#)

▶ [参考文献\[PDF\]](#)

▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [复制索引](#)

▶ [Email Alert](#)

相关信息

▶ [本刊中 包含“Multi-task coalition”的 相关文章](#)

▶ 本文作者相关文章

· [蒋建国](#)

· [苏兆品](#)

· [齐美彬](#)

· [张国富](#)