Agent 自我意识的研究

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摘 要:基于 DODL 研究了 Agent 如何认识和解释自身的结构与状态变化,为实现 Agent 的自我意识奠定理论基础;根据 Agent 所请求的消息属于其组成结构中的哪一部分对 Agent 通信语言(ACL)原有的通信原语进行了归纳,以提高对消息语义解释的有效性.

关键词:Agent;DODL; 自我意识;语义解释

Research on Self-consciousness of Agents

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Abstract:On the basis of DODL ,it is studied how agents understand and explain the changes of its structure and status,which lays a theoretical foundation realization of agents' self-consciousness. In order to improve the agents' efficiency to explain the semantics of the requested messages, the existing communication primitive types of Agent Communication Language(ACL)are summarized according to which part of agents composition structure the message belongs to.

Key words:agent;DODL;self-consciousness;semantic

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