智能科学发展的若干问题

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摘要
提出建立智能科学及其体系问题, 阐述了智能科学学科体系的基本框架, 归纳了智能科学研究对象的一般特征, 分析了当前智能科学研究的若干重要课题涉及计算智能、集成智能、分布式智能和多艾真体系统、机器学习与知识发现、人工生命、智能控制、智能机器人,以及量子信息处理等, 探讨了工业化、信息化、智能化与自动化的关系, 并在最后强调指出发展智能科学对创造知识产权、应对入世挑战和增强国家实力具有重大意义.
关键词　　智能科学　学科体系　智能化　知识产权　艾真体
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Some Issues on Intelligence Science Development

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Abstract
The intelligence science and its system are proposed in the paper and the basic frame of the intelligence science system is established. General features of the research objects of the intelligence science are summarized. Some current research topics of the intelligence science including computing intelligence, distributed artificial intelligence and multi-agent systems, machine learning and knowledge discovering, artificial life, intelligent control, advanced robotics as well as quantum information processing are discussed. Relationship among the industrialization, informatic-tualization , intellectualization and automation is investigated. The significance for developing the intelligence science to create the knowledge property, to meet the challenge of entering WTO, and to reinforce the state power is emphasized in the end.
Key words　Intelligence science　disciplinary frame　intellectualization　knowledge property　agent

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