

短文

过程专家系统的自适应实现

江青茵,舒迪前

厦门大学技术服务中心,厦门;北京科技大学自动化系,北京

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摘要

本文讨论了工业过程优化控制及操作过程运转专家系统的自适应实现问题,给出了知识库的自组织结构及其实现方法.介绍了从过程操作数据中学习过程特性的学习系统SLFOD,以及构成SLFOD的各要素,并给出仿真结果.

关键词 [自组织](#) [专家系统](#) [知识库](#)

分类号

Adaptive Realization of Expert System for Process Control and Operation

Jiang Qingyin, Shu Diqian

Xiamen University, Xiamen; Beijing University of Science and Technology, Beijing

Abstract

This paper discusses the adaptive realization problem of expert system for industrial process control and operation. A self-organizing structure of knowledge base is put forward, and the realization problems of the self-organizing structure is discussed. Based on this discussion, a learning system SLFOD is developed to learn the knowledge about the process properties from the observed process operation data. The structure and simulation results of SLFOD are also given.

Key words [Self-organization](#) [expert system](#) [knowledge base](#)

DOI:

通讯作者

作者个人主页 [江青茵;舒迪前](#)

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