

论文与报告

一种光电混合型专家系统专用机OEHCES

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摘要

关键词 [专家系统专用机](#) [光信息处理](#) [光电混合系统](#)

分类号

An Opto-Electric Hybrid Computer for Expert System

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Abstract

This paper, based on the fact that it is hard to develop a real-time and efficient expert system on the conventional computer, proposes a scheme of an opto-electric hybrid computer for expert system (OEHCES) which can be realized easily. The OEHCES is consisted of three parts: main control machine, knowledge storehouse and the optical marcher, and uses a modified knowledge representation and the optical marcher to partially solution of the problem whose matching speed is too slow in the conventional computer.

Key words [computer for expert system](#) [optical information processing](#) [optoelectric hybrid computer](#)

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