

عنوان مقاله:

Design a Fault Tolerant Controller with SARSA method based on Reinforcement Learning

محل انتشار:

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خلاصه مقاله:

This paper discusses the design of a fault-tolerant controller based on Reinforcement Learning. In each system, the probability of a fault is high. Usually, in sensitive systems, faults can have bad consequences, so today, scientists have designed different controllers to control the fault. In this paper, first we talk about reinforcement learning and then refer to it in the design of a fault-tolerant controller. After choosing the state, the action and the reward function, the controller is designed and the results indicate that the designed controller has caused the system to achieve the desired value and control the system fault

کلمات کلیدی:

fault-tolerant control, reinforcement learning, state, action, reward

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