عنوان مقاله:

(Predictive Control of a Fossil Power plant Based on Locally Linear Model tree (LOLIMOT

محل انتشار:

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خلاصه مقاله:

A predictive control algorithm based on locally linear model tree model (LOLIMOT) is implemented to control a fossil fuel power unite. The controller is a non-model based system that uses a LOLIMOT identifier to predict the response of the plant in a future time interval. An evolutionary programming (EP) approach, optimizes the identifierpredicted outputs and determines input sequence in a time window. This intelligent system provides a predictive control of multi-input multi-output nonlinear systems with slow time variation.

کلمات کلیدی:

Predictive control, power plant, evolutionary programming, locally linear model tree

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