Abstract

This paper purposed a new generalized predictive control based on state feedback theory for the large inertia and large delay characteristics of the discrete reheat steam temperature plant. The idea is to compensate the large inertia and delay characteristics of the plant by the state feedback theory and the generalized plant by predictive control. The simulation results show that the new control system has good robustness and transient performance. So it is an effective control strategy for large delay industry process.

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Index Terms
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