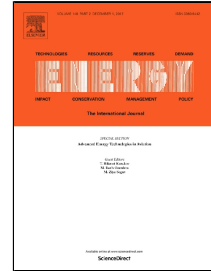


Accepted Manuscript

A dynamic model used for controller design for fast cut back of coal-fired boiler-turbine plant

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PII: S0360-5442(17)32086-8
DOI: 10.1016/j.energy.2017.12.053
Reference: EGY 12002
To appear in: *Energy*
Received Date: 02 May 2017
Revised Date: 21 November 2017
Accepted Date: 11 December 2017

Please cite this article as: Di Wang, Yunlong Zhou, Xiaoli Li, A dynamic model used for controller design for fast cut back of coal-fired boiler-turbine plant, *Energy* (2017), doi: 10.1016/j.energy.2017.12.053

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Highlights:

A simple mathematical model of coal-fired boiler-turbine is built up

Bypass system, feed water system and feed water heaters are considered

Model parameters are estimated by FCB field test under condition of 100% ECR load

Model is validated by FCB field test under condition of 50% ECR load

FCB simulation test for plant with turbine-driven pump is carried out

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