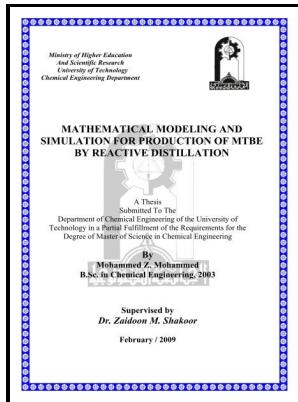


Use of a mathematical model in the computer control of an industrial distillation tower

- - Control of the Fluidized Catalytic Cracking Process Using a Simplified Model Predictive Controller



Description: -

- use of a mathematical model in the computer control of an industrial distillation tower
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Notes: Dissertation (Ph.D.) - University of Florida. Microfilm of Typescript. Ann Arbor: University Microfilms, 1966. 1 reel. 35mm
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Pressure & Level Control of a Process

By means of data collected from the distributed control system DCS , two soft sensors are first developed.

Control of the Fluidized Catalytic Cracking Process Using a Simplified Model Predictive Controller

This training simulator is compact enough to fit through a standard door, yet broad enough to offer all of the skills and topics a learner needs.

Pressure & Level Control of a Process

This paper investigates the distributed model predictive control DMPC for positive systems with interval and polytopic uncertainties, respectively. The applications of soft sensors presented in this volume are designed to cope with the whole range from measuring system backup and what-if analysis through real-time prediction for plant control to sensor diagnosis and validation.

Industrial applications of model based predictive control

Then, a linear co-positive Lyapunov function is constructed. This process needs to be maintained close to optimum operating conditions because of fiscal incentives. The computational load of the PFC is light as compared to the standard MPC, since no online optimization is required.

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