Accepted Manuscript

Title: Model-based design of optimal experiments for nonlinear systems in the context of guaranteed parameter estimation

Author: Anwesh Reddy Gottu Mukkula Radoslav Paulen



PII:	S0098-1354(17)30028-5
DOI:	http://dx.doi.org/doi:10.1016/j.compchemeng.2017.01.029
Reference:	CACE 5685
To appear in:	Computers and Chemical Engineering
Received date:	4-10-2016
Revised date:	7-1-2017
Accepted date:	16-1-2017

Please cite this article as: Anwesh Reddy Gottu Mukkula, Radoslav Paulen, Modelbased design of optimal experiments for nonlinear systems in the context of guaranteed parameter estimation, <*!*[*CDATA*[*Computers and Chemical Engineering*]]> (2017), http://dx.doi.org/10.1016/j.compchemeng.2017.01.029

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Research highlights

- Optimal experiment design in the context of guaranteed parameter estimation studied
- Solution methodology is proposed based on over-approximation of joint-confidence set
- Detailed analysis performed; case studies show the nature of problem and its solution
- Differences to classical optimal experiment design highlighted

Download English Version:

https://daneshyari.com/en/article/6469204

Download Persian Version:

https://daneshyari.com/article/6469204

Daneshyari.com