Accepted Manuscript

Sequential Sensitivity Analysis of Expensive Black-Box Simulators With Metamodelling

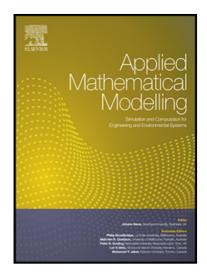
Tom Van Steenkiste, Joachim van der Herten, Ivo Couckuyt, Tom Dhaene

PII: S0307-904X(18)30233-6 DOI: 10.1016/j.apm.2018.05.023

Reference: APM 12287

To appear in: Applied Mathematical Modelling

Received date: 1 December 2017 Revised date: 24 April 2018 Accepted date: 14 May 2018



Please cite this article as: Tom Van Steenkiste, Joachim van der Herten, Ivo Couckuyt, Tom Dhaene, Sequential Sensitivity Analysis of Expensive Black-Box Simulators With Metamodelling, *Applied Mathematical Modelling* (2018), doi: 10.1016/j.apm.2018.05.023

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

Sequential Sensitivity Analysis of Expensive Black-Box Simulators With Metamodelling Highlights

- Sensitivity analysis is a powerful method for design analysis and dimensionality reduction.
- Metamodelling increases efficiency of analysis processes.
- Sequential sensitivity analysis with metamodelling allows for an efficient and accurate computation of sensitivity indices.
- Dedicated stopping criterion provides valuable extra insights.

Download English Version:

https://daneshyari.com/en/article/8051317

Download Persian Version:

https://daneshyari.com/article/8051317

<u>Daneshyari.com</u>