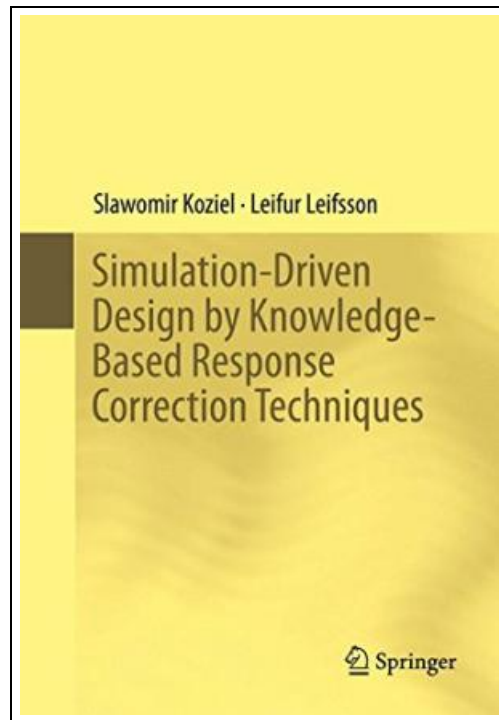


## Simulation-Driven Design by Knowledge-Based Response Correction Techniques



Filesize: 8.49 MB

### **Reviews**

*I actually started out reading this article publication. It is loaded with knowledge and wisdom Your way of life span is going to be transform as soon as you total reading this article pdf.*

*(Mrs. Felicia Windler)*

## SIMULATION-DRIVEN DESIGN BY KNOWLEDGE-BASED RESPONSE CORRECTION TECHNIQUES

DOWNLOAD



Springer-Verlag Gmbh Mai 2016, 2016. Buch. Condition: Neu. Neuware - Focused on efficient simulation-driven multi-fidelity optimization techniques, this monograph on simulation-driven optimization covers simulations utilizing physics-based low-fidelity models, often based on coarse-discretization simulations or other types of simplified physics representations, such as analytical models. The methods presented in the book exploit as much as possible any knowledge about the system or device of interest embedded in the low-fidelity model with the purpose of reducing the computational overhead of the design process. Most of the techniques described in the book are of response correction type and can be split into parametric (usually based on analytical formulas) and non-parametric, i.e., not based on analytical formulas. The latter, while more complex in implementation, tend to be more efficient. The book presents a general formulation of response correction techniques as well as a number of specific methods, including those based on correcting the low-fidelity model response (output space mapping, manifold mapping, adaptive response correction and shape-preserving response prediction), as well as on suitable modification of design specifications. Detailed formulations, application examples and the discussion of advantages and disadvantages of these techniques are also included. The book demonstrates the use of the discussed techniques for solving real-world engineering design problems, including applications in microwave engineering, antenna design, and aero/hydrodynamics. 262 pp. Englisch.



[Read Simulation-Driven Design by Knowledge-Based Response Correction Techniques Online](#)



[Download PDF Simulation-Driven Design by Knowledge-Based Response Correction Techniques](#)

## You May Also Like

---



### **Instrumentation and Control Systems**

Elsevier Science & Technology. Paperback. Book Condition: new. BRAND NEW PRINT ON DEMAND., Instrumentation and Control Systems, William Bolton, In a clear and readable style, Bill Bolton addresses the basic principles of modern instrumentation and...

[Save eBook](#)

»

---



### **Oxford Junior Thesaurus**

Oxford University Press. Hardback. Book Condition: new. BRAND NEW, Oxford Junior Thesaurus, Oxford Dictionaries, With its fresh new look, the Oxford Junior Thesaurus gives children starting KS2 the best writing support. It contains entries in...

[Save eBook](#)

»

---



### **Iceland**

Children's Press(CT). Paperback / softback. Book Condition: new. BRAND NEW, Iceland, Kathleen W Deady, - Perfect for school reports on Iceland.- Includes large, beautiful color photos.- An original country map with labels that match the...

[Save eBook](#)

»

---



### **The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)**

WW Norton Co, United States, 2016. Hardback. Book Condition: New. 4th Revised edition. 244 x 165 mm. Language: English . Brand New Book. The Well-Trained Mind will instruct you, step by step, on how to...

[Save eBook](#)

»

---



### **Art appreciation (travel services and hotel management professional services and management expertise secondary vocational education teaching materials supporting national planning book)(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 146 Publisher: Higher Education Pub. Date :2009-07-01 version 2. This book is...

[Save eBook](#)

»