

Simulation-Driven Aerodynamic Design Using Variable-Fidelity Models

By Leifur Leifsson



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Slawomir Koziel is the author of Computational Optimization, Methods And Algorithms (4.00 avg rating, 1 rating, 0 reviews, published 2011), http://www.goodreads.com/author/show/5100642.Slawomir_Koziel

Simulation-Driven Optimization Laboratory. Simulation-Driven Aerodynamic Design Using Variable-Fidelity Models, Imperial College Press, London, UK, 2015. <http://www.aere.iastate.edu/department-overview/faculty/leifur-leifsson/>

"Surrogate-Based Aerodynamic Shape Optimization by Variable-Resolution Models", simulation-driven aerodynamic design optimization has Leifur Leifsson, <http://arc.aiaa.org/doi/full/10.2514/1.J051583>

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the low-fidelity model is less accurate, we use a multiplicative response correction We verify the approach by using model generated target data. <http://content.iospress.com/articles/journal-of-computational-methods-in-sciences-and-engineering/jcm00403>

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Slawomir Koziel¹ and Leifur Leifsson² fidelity simulation models are the most critical components x is the design variable vector describing the

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