Accepted Manuscript

Multiscale reliability-based topology optimization methodology for truss-like microstructures with unknown-but-bounded uncertainties

Lei Wang, Yiru Cai, Dongling Liu

PII: S0045-7825(18)30238-X

DOI: https://doi.org/10.1016/j.cma.2018.05.003

Reference: CMA 11904

To appear in: Comput. Methods Appl. Mech. Engrg.

Received date: 2 February 2018 Revised date: 29 April 2018 Accepted date: 2 May 2018



Please cite this article as: L. Wang, Y. Cai, D. Liu, Multiscale reliability-based topology optimization methodology for truss-like microstructures with unknown-but-bounded uncertainties, *Comput. Methods Appl. Mech. Engrg.* (2018), https://doi.org/10.1016/j.cma.2018.05.003

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.

Multiscale Reliability-based Topology Optimization Methodology for Truss-like Microstructures with Unknown-but-bounded Uncertainties

Multiscale Reliability-based Topology Optimization Methodology for Truss-like Microstructures with Unknown-but-bounded Uncertainties

> Lei Wang a, b†, Yiru Cai a, Dongling Liu^a

a Institute of Solid Mechanics, Beihang University, Beijing 100191, China

b School of Civil and Environmental Engineering, Nanyang Technological University, 50 Nanyang Avenue, Singapore

[†]Corresponding author: Lei Wang. Email: cee_wanglei@ntu.edu.sg; leiwang_beijing@buaa.edu.cn

Download English Version:

https://daneshyari.com/en/article/6915359

Download Persian Version:

https://daneshyari.com/article/6915359

<u>Daneshyari.com</u>