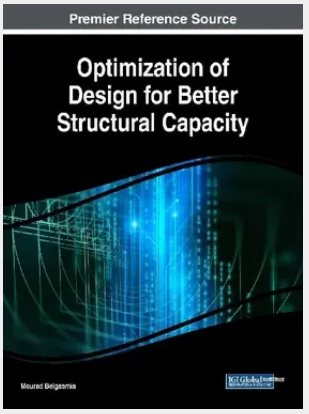
Engineering Science Reference

Optimization of Design for Better Structural Capacity



Despite the development of advanced methods, models, and algorithms, optimization within structural engineering remains a primary method for overcoming potential structural failures. With the overarching goal to improve capacity, limit structural damage, and assess the structural dynamic response, further improvements to these methods must be entertained. Optimization of Design for Better Structural Capacity is an essential reference source that discusses the advancement and augmentation of optimization designs for better behavior of structure under different types of loads, as well as the use of these advanced designs in combination with other methods in civil engineering. Featuring research on topics such as industrial software, geotechnical engineering, and systems optimization, this book is ideally designed for architects, professionals, researchers, engineers, and academicians seeking coverage on advanced designs for use in civil engineering environments.

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222,30 €
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Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781522570592
Medium: Buch
ISBN: 978-1-5225-7059-2
Verlag: Engineering Science Reference
Erscheinungstermin: 27.07.2018
Sprache(n): Englisch
Auflage: Erscheinungsjahr 2018
Produktform: Gebunden
Gewicht: 946 g
Seiten: 315
Format (B x H): 221 x 286 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)