

Haar Wavelets

With Applications

This is the first book to present a systematic review of applications of the Haar wavelet method for solving Calculus and Structural Mechanics problems. Haar wavelet-based solutions for a wide range of problems, such as various differential and integral equations, fractional equations, optimal control theory, buckling, bending and vibrations of elastic beams are considered. Numerical examples demonstrating the efficiency and accuracy of the Haar method are provided for all solutions.

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106,99 €

99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783319344522

Medium: Buch

ISBN: 978-3-319-34452-2

Verlag: Springer

Erscheinungstermin: 27.08.2016

Sprache(n): Englisch

Auflage: Softcover Nachdruck of the original 1. Auflage 2014

Serie: Mathematical Engineering

Produktform: Kartoniert

Gewicht: 3401 g

Seiten: 207

Format (B x H): 155 x 235 mm

