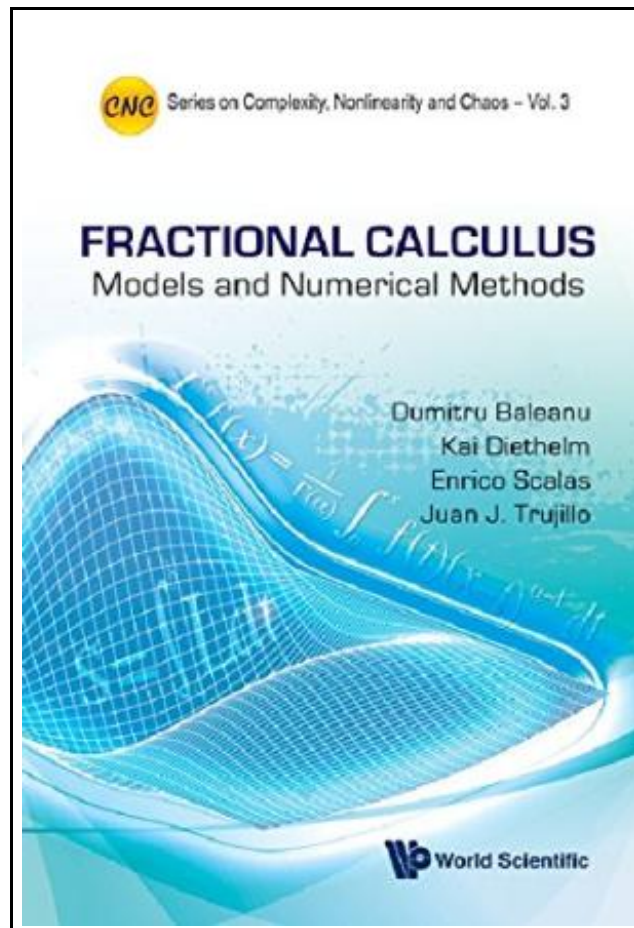


Fractional Calculus Models and Numerical Methods (Hardback)



Filesize: 8.62 MB

Reviews

These types of book is the greatest ebook readily available. I was able to comprehend every little thing using this published e pdf. I realized this pdf from my dad and i encouraged this publication to discover.

(Dr. Porter Mitchell)

FRACTIONAL CALCULUS MODELS AND NUMERICAL METHODS (HARDBACK)



To download **Fractional Calculus Models and Numerical Methods (Hardback)** eBook, remember to follow the web link below and download the file or gain access to other information which are have conjunction with FRACTIONAL CALCULUS MODELS AND NUMERICAL METHODS (HARDBACK) ebook.

World Scientific Publishing Co Pte Ltd, Singapore, 2012. Hardback. Book Condition: New. 235 x 159 mm. Language: English . Brand New Book. The subject of fractional calculus and its applications (that is, convolution-type pseudo-differential operators including integrals and derivatives of any arbitrary real or complex order) has gained considerable popularity and importance during the past three decades or so, mainly due to its applications in diverse fields of science and engineering. These operators have been used to model problems with anomalous dynamics, however, they also are an effective tool as filters and controllers, and they can be applied to write complicated functions in terms of fractional integrals or derivatives of elementary functions, and so on. This book will give readers the possibility of finding very important mathematical tools for working with fractional models and solving fractional differential equations, such as a generalization of Stirling numbers in the framework of fractional calculus and a set of efficient numerical methods. Moreover, we will introduce some applied topics, in particular fractional variational methods which are used in physics, engineering or economics. We will also discuss the relationship between semi-Markov continuous-time random walks and the space-time fractional diffusion equation, which generalizes the usual theory relating random walks to the diffusion equation. These methods can be applied in finance, to model tick-by-tick (log)-price fluctuations, in insurance theory, to study ruin, as well as in macroeconomics as prototypical growth models. All these topics are complementary to what is dealt with in existing books on fractional calculus and its applications currently existing in the market. This book will be written with a trade-off in mind between full mathematical rigor and the needs of readers coming from different applied areas of science and engineering. In particular, the numerical methods listed in the book are presented in a readily...



[Read Fractional Calculus Models and Numerical Methods \(Hardback\) Online](#)



[Download PDF Fractional Calculus Models and Numerical Methods \(Hardback\)](#)

See Also



[PDF] Mother Stories (Paperback)

Follow the web link beneath to download "Mother Stories (Paperback)" document.

[Download eBook »](#)



[PDF] The Birds Christmas Carol (Paperback)

Follow the web link beneath to download "The Birds Christmas Carol (Paperback)" document.

[Download eBook »](#)



[PDF] Mother Carey s Chickens (Paperback)

Follow the web link beneath to download "Mother Carey s Chickens (Paperback)" document.

[Download eBook »](#)



[PDF] The Flag-Raising (Paperback)

Follow the web link beneath to download "The Flag-Raising (Paperback)" document.

[Download eBook »](#)



[PDF] Homespun Tales (Paperback)

Follow the web link beneath to download "Homespun Tales (Paperback)" document.

[Download eBook »](#)



[PDF] The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)

Follow the web link beneath to download "The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)" document.

[Download eBook »](#)