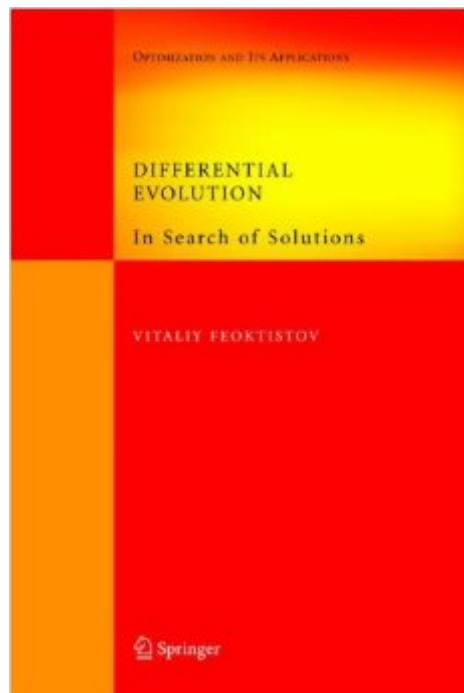


The book was found

# Differential Evolution: In Search Of Solutions (Springer Optimization And Its Applications)



## Synopsis

Individuals and enterprises are looking for optimal solutions for the problems they face. Most problems can be expressed in mathematical terms, and so the methods of optimization render a significant aid. This book details the latest achievements in optimization. It offers comprehensive coverage on Differential Evolution, presenting revolutionary ideas in population-based optimization and shows the best known metaheuristics through the prism of Differential Evolution.

## Book Information

Series: Springer Optimization and Its Applications (Book 5)

Hardcover: 196 pages

Publisher: Springer; 2006 edition (October 17, 2006)

Language: English

ISBN-10: 0387368957

ISBN-13: 978-0387368955

Product Dimensions: 6.1 x 0.5 x 9.2 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (1 customer review)

Best Sellers Rank: #4,726,930 in Books (See Top 100 in Books) #96 in [Books > Computers & Technology > Programming > Algorithms > Genetic](#) #789 in [Books > Science & Math >](#)

[Mathematics > Applied > Linear Programming](#) #1891 in [Books > Business & Money > Processes & Infrastructure > Operations Research](#)

## Customer Reviews

I got this book after having read the one by Price, Storn and Lampinen, "Differential Evolution: A Practical Approach to Global Optimization". Even though the authors of that book were the originators of the Differential Evolution (DE) algorithm, their book nonetheless left me confused about a number of issues. So I tried this one by Vitaliy Feoktistov and am very glad I did. The author has an approach that's unusually casual, enthusiastic and friendly for such a technical subject. One realizes very quickly that not only does he love the subject matter, but also that he has a certain empathy with the reader, in the sense that he seems to anticipate the issues about which the reader might be confused or in need of some extra explanation. When first explaining the classic DE algorithm, he does so by juxtaposing three perspectives: a mathematical notation, some pseudo-code, and then some minimal yet sufficient C code that implements it. In this way, the connection between the abstract and the concrete aspects of DE is easily grasped. Another strong

point of the book is his description of what he calls "Neoteric Differential Evolution", which is really just a perspective of DE in which the mutation, crossover and selection operations are clearly separated and the DE approach is shown in a very general way. This allows the reader to see that DE is not just an algorithm, but a kind of template into which different implementations of mutation, crossover and selection can be "plugged in". I am writing an application that uses DE, and before reading this book I had resigned myself to using a DE implementation I found on the 'net. Even though I didn't like this implementation, I lacked the confidence to write my own at that time. After reading Mr.

[Download to continue reading...](#)

Differential Evolution: In Search of Solutions (Springer Optimization and Its Applications)  
WordPress: A Beginner to Intermediate Guide on Successful Blogging and Search Engine Optimization. (Blogging, SEO, Search Engine Optimization, Free Website, WordPress, WordPress for Dummies) Seo 2017: Search Engine Optimization for 2017. On Page SEO, Off Page SEO, Keywords (SEO Books, Search Engine Optimization 2016) SEO 2017: Search Engine Optimization for 2017. On Page SEO, Off Page SEO, Keywords (SEO Books, Search Engine Optimization 2017) SEO+Clickbank (Search Engine Optimization 2016): Use The Power of Search Engine Optimization 2016+ Clickbank Differential Diagnosis for Physical Therapists: Screening for Referral, 5e (Differential Diagnosis In Physical Therapy) A Clinician's Guide to Dermatologic Differential Diagnosis, Volume 1: The Text (Encyclopedia of Differential Diagnosis in Dermatology S) Hybrid Particle Swarm Algorithm for Multiobjective Optimization: Integrating Particle Swarm Optimization with Genetic Algorithms for Multiobjective Optimization SEO: Easy Search Engine Optimization, Your Step-By-Step Guide To A Sky-High Search Engine Ranking And Never Ending Traffic (SEO Series) Google Semantic Search: Search Engine Optimization (SEO) Techniques That Get Your Company More Traffic, Increase Brand Impact, and Amplify Your Online Presence (Que Biz-Tech) SEO Made Simple (4th Edition): Search Engine Optimization Strategies: How to Dominate Google, the World's Largest Search Engine Numerical Optimization (Springer Series in Operations Research and Financial Engineering) Applications of Finite Fields (Institute of Mathematics and its Applications Conference Series, New Series) Turbo Codes: Principles and Applications (The Springer International Series in Engineering and Computer Science) Iterative Detection: Adaptivity, Complexity Reduction, and Applications (The Springer International Series in Engineering and Computer Science) Regression Modeling Strategies: With Applications to Linear Models, Logistic Regression, and Survival Analysis (Springer Series in Statistics) Time Series Analysis: With Applications in R (Springer Texts in Statistics) An Introduction to Statistical Learning: with

Applications in R (Springer Texts in Statistics) Digital Marketing Handbook: A Guide to Search Engine Optimization, Pay Per Click Marketing, Email Marketing, Social Media Marketing and Content Marketing SEO Simplified: Learn Search Engine Optimization Strategies and Principles for Beginners (The SEO Series)

[Dmca](#)