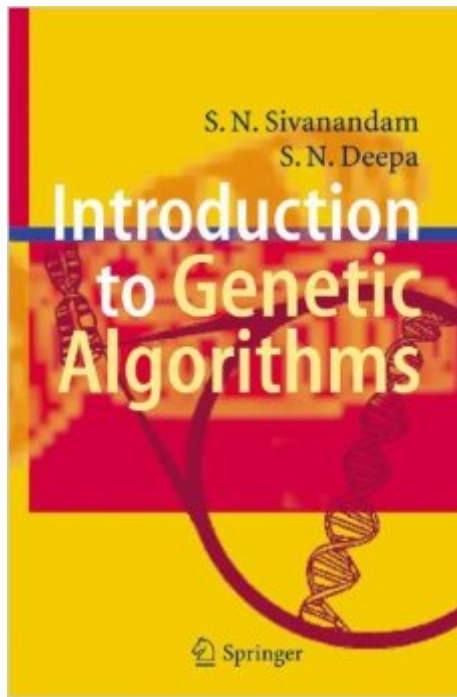# Introduction To Genetic Algorithms

Synopsis

This book offers a basic introduction to genetic algorithms. It provides a detailed explanation of genetic algorithm concepts and examines numerous genetic algorithm optimization problems. In addition, the book presents implementation of optimization problems using C and C++ as well as simulated solutions for genetic algorithm problems using MATLAB 7.0. It also includes application case studies on genetic algorithms in emerging fields.

Book Information

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Average Customer Review: 3.0 out of 5 stars See all reviews (4 customer reviews)

Best Sellers Rank: #3,202,193 in Books (See Top 100 in Books)   #48 in Books > Computers & Technology > Programming > Algorithms > Genetic   #542 in Books > Textbooks > Computer Science > Algorithms   #1123 in Books > Textbooks > Computer Science > Artificial Intelligence

Customer Reviews

great

I was psyched to get this book but it is, as an earlier reviewer mentioned, unreadable. It seems as though someone tried to translate English to English but had a very hard time. For example, the first sentence of the book mentions a "so bust" search and optimization method. I imagine that would be a robust search and optimization method. This error is not so bad compared to other puzzlers throughout the text. The material seems like it is really good but the text reads more like, well, a comedy of errors. Indeed, as it is written, it is kind of funny. I think sales of the book would go through the roof if they released an edited version in English. I give it two stars for its comedic value and potential.

If first sentence of a book begins: "Charles Darwinian evolution in 1859 is intrinsically a so bust search and optimization mechanism," you know you are in trouble.

This book is both lively and thorough for an introduction. The organization of the book felt natural and made it easier to acquire the material. The authors were clearly knowledgeable and I'd give them five stars, it was a pleasure to read in terms of content.However, in terms of style, there are numerous typos which can be distracting. Examples include "fro" instead of "for" (page 34), "than" instead of "that" (page 26), and "subjective" instead of "surjective" (page 40), with the later example being particularly unfortunate in that students with light backgrounds in mathematics might not be able to discern the correct meaning. There are also occasional grammatical cul-de-sacs which left me puzzled and guessing the exact meaning of a sentence.This book has no index. For such a high price, one might expect at least some perfunctory editing and at the very least an index. The excellent content of the book was done a disservice by Springer's poor publication in this case.Given the strength of the content, though, I'd still recommend this book.

Evolutionary Algorithms in Theory and Practice: Evolution Strategies, Evolutionary Programming, Genetic Algorithms Introduction to Genetic Algorithms Linear Genetic Programming (Genetic and Evolutionary Computation) Evolutionary Algorithms for Solving Multi-Objective Problems (Genetic and Evolutionary Computation) Genetic Algorithms in Java Basics Practical Genetic Algorithms Robust Control Systems with Genetic Algorithms (Control Series) Genetic Algorithms: Concepts and Designs (Advanced Textbooks in Control and Signal Processing) Evolutionary Electronics: Automatic Design of Electronic Circuits and Systems by Genetic Algorithms (International Series on Computational Intelligence) The Practical Handbook of Genetic Algorithms: Applications, Second Edition Practical Handbook of Genetic Algorithms Applications Volume I Practical Handbook of Genetic Algorithms: Complex Coding Systems, Volume III Algorithms in C, Parts 1-5 (Bundle): Fundamentals, Data Structures, Sorting, Searching, and Graph Algorithms (3rd Edition) Applied Cryptography: Protocols, Algorithms, and Source Code in C [APPLIED CRYPTOGRAPHY: PROTOCOLS, ALGORITHMS, AND SOURCE CODE IN C BY Schneier, Bruce (Author) Nov-01-1995 Practical Algorithms in Pediatric Hematology and Oncology: (Practical Algorithms in Pediatrics. Series Editor: Z. Hochberg) Combinatorial Optimization: Theory and Algorithms (Algorithms and Combinatorics) Geometric Algorithms and Combinatorial Optimization (Algorithms and Combinatorics) Introduction to Genetic Analysis, 10th Edition Solutions Manual for Introduction to Genetic Analysis An Introduction to Genetic Analysis