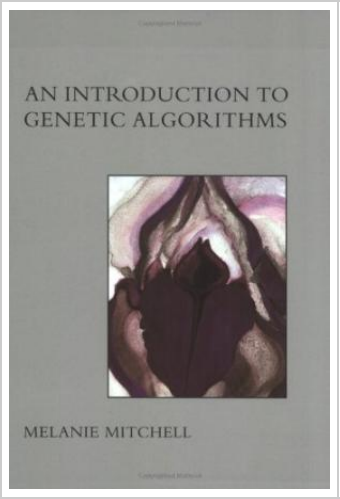

An Introduction to Genetic Algorithms

By Melanie Mitchell

MIT Press Ltd. Paperback. Book Condition: new. BRAND NEW, An Introduction to Genetic Algorithms, Melanie Mitchell, Genetic algorithms have been used in science and engineering as adaptive algorithms for solving practical problems and as computational models of natural evolutionary systems. This brief, accessible introduction describes some of the most interesting research in the field and also enables readers to implement and experiment with genetic algorithms on their own. It focuses in depth on a small set of important and interesting topics -- particularly in machine learning, scientific modeling, and artificial life -- and reviews a broad span of research, including the work of Mitchell and her colleagues. The descriptions of applications and modeling projects stretch beyond the strict boundaries of computer science to include dynamical systems theory, game theory, molecular biology, ecology, evolutionary biology, and population genetics, underscoring the exciting "general purpose" nature of genetic algorithms as search methods that can be employed across disciplines. An Introduction to Genetic Algorithms is accessible to students and researchers in any scientific discipline. It includes many thought and computer exercises that build on and reinforce the reader's understanding of the text. The first chapter introduces genetic algorithms and their terminology and describes two...

Reviews

This book is definitely worth getting. It usually will not price too much. Its been printed in an extremely simple way in fact it is only right after i finished reading this publication where basically altered me, modify the way i think.

-- ***Avery Daugherty***

The ebook is fantastic and great. It really is basic but unexpected situations within the fifty percent in the book. Its been written in an exceptionally basic way in fact it is only after i finished reading through this ebook by which actually modified me, modify the way in my opinion.

-- ***Ms. Donna Parker MD***