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Introduction To Genetic Algorithms For Scientists And Engineers

An Introduction
to Genetic Algorithms
for Scientists and Engineers

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 World Scientific



Synopsis

This invaluable book has been designed to be useful to most practising scientists and engineers, whatever their field and however rusty their mathematics and programming might be. The approach taken is largely practical, with algorithms being presented in full and working code (in Basic, Fortran, Pascal And C) included on a floppy disk to help the reader get up and running as quickly as possible. The text could also be used as part of an undergraduate course on search and optimisation. Student exercises are included at the end of several of the chapters, many of which are computer-based and designed to encourage exploration of the method.

Book Information

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Customer Reviews

The best introduction to GAs for those wishing to get up and running and using such algorithms to solve real problems. The software provided seems to work well and just about anyone will understand the book. My only complaint is that the examples could have covered a better range of topics.

This is an introductory (undergraduate level) book targeted towards practitioners. The content is far from being satisfactory, even for beginners. However, if you have only a couple of hours and you want to get some information about GAs, this book is for you. If you're looking for comprehensive coverage on the topic, I'd recommend Eiben & Smith's "Introduction to Evolutionary Computing".

A fine introduction. Well written, very, very clear... And the codes are pretty easy to understand even for beginners. I would recommend it as a first course on GAs.

Well rounded and importantly, practical introduction to the subject. Gives a rapid basic understanding of the elements required, and provides all the information needed for further reading to expand knowledge in timely and appropriate places in the text.

Good

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