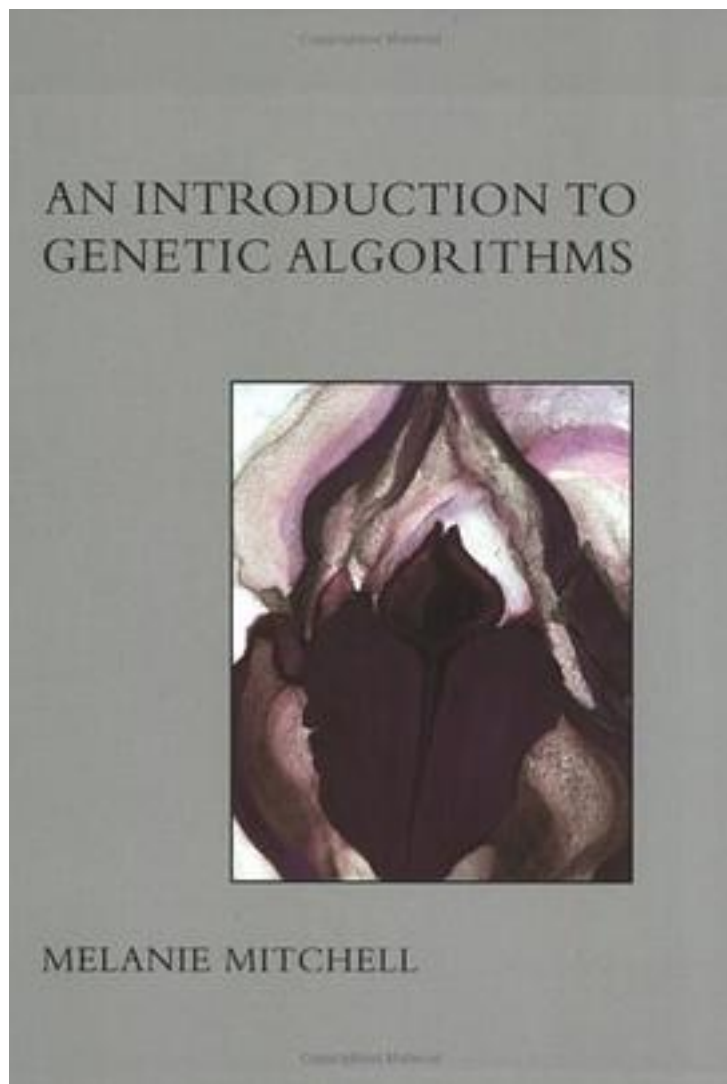


# An Introduction to Genetic Algorithms



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著者:Melanie Mitchell

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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.

作者介绍:

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标签

算法

人工智能

计算机

计算

美國

编程

科普

硕士

## 评论

no sourcecode is presented. if done, it will be a nice book.

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## 书评

What is "most interesting" is, of course, very subjective; the choice of topics reflects my own interests, which lean toward machine learning, scientific modeling, and "artificial life" more than toward optimization and engineering. GAs have been widely exp...

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老米似乎特别擅长写这种入门书，这本书和他的机器学习一样出色。书最后的一系列问题更是说明了他的书总是有他自己的想法，总是带着那么一点好奇心。书里没有太多严肃的公式定理，也许他是不懈于写上那些工具书似的东西。我所知道，有这样写作风格的人还有一个，那就是GA算法之...

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