

Applied Evolutionary Algorithms In Java

Author : Robert Ghanea-Hercock / Category : Computers /

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Summary: Free applied evolutionary algorithms in java pdf download - genetic algorithms provide a powerful range of methods for solving complex engineering search and optimization algorithms their power can also lead to difficulty for new researchers and students who wish to apply such evolution-based methods applied evolutionary algorithms in java offers a practical hands-on guide to applying such algorithms to engineering and scientific problems the concepts are illustrated through clear examples ranging from simple to more complex problems domains all based on real-world industrial problems examples are taken from image processing fuzzy-logic control systems mobile robots and telecommunication network optimization problems the javabased toolkit provides an easy-to-use and essential visual interface with integrated graphing and analysis tools topics and features inclusion of a complete java toolkit for exploring evolutionary algorithms strong use of visualization techniques to increase understanding coverage of all major evolutionary algorithms in common usage broad range of industrially based example applications includes examples and an appendix based on fuzzy logic this book is intended for students researchers and professionals interested in using evolutionary algorithms in their work no mathematics beyond basic algebra and cartesian graphs methods are required as the aim is to encourage applying the java toolkit to develop the power of these techniques

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