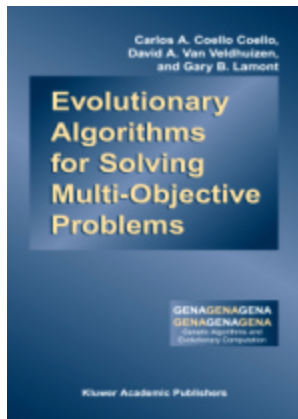


EVOLUTIONARY ALGORITHMS FOR SOLVING MULTI-OBJECTIVE PROBLEMS

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Conceived as a self-contained reference work, this book introduces multiobjective problem (MOP) domain models with a consistent and formal symbolic notation, and provides the reader with all the necessary elements to guide him in the analysis, design, implementation and validation of multi-objective evolutionary algorithms (MOEAs). The authors' comprehensive study of the field goes from its origins in the 1960s to the most recent developments of today. This unique book distills the discipline's state-of-the-art findings in a single text, fulfilling the authors' aim of providing the reader with a useful and complete reference to the field. A newcomer will find enough information to setup his own research plan within this area. An experienced researcher interested in a specific application will find numerous pointers to additional references that will allow him to explore the findings in his particular area of interest, and direct him in uncovering more information. Therefore, this book should be of interest to scientists, engineers, students (in computer science, computer engineering, operations research and other scientific and engineering disciplines) and anyone else interested in multiobjective optimization. The versatility and breadth of material make the book ideal for textbook adoption in graduate-level courses. For instructors' benefit, discussion questions are provided at the end of each chapter to help with designing assignments and organizing in-class discussions, as well as with establishing research plans for students interested in this field.

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