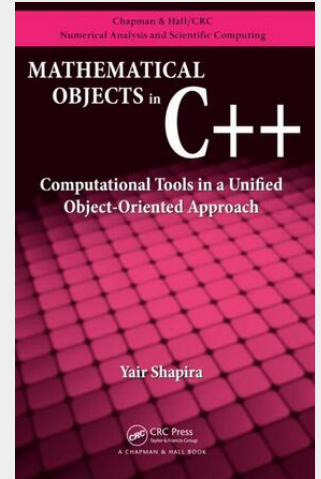Shapira

Mathematical Objects in C++

Computational Tools in A Unified Object-Oriented Approach

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Emphasizing the connection between mathematical objects and their practical C++ implementation, this book focuses on the objects themselves, rather than on the functions that use them. It provides a comprehensive introduction to the theoretical and practical aspects of C and C++ programming. Detailed implementation of algebraic and geometrical objects facilitates understanding of the concepts. Requiring minimal prerequisites, the book provides detailed coverage of the necessary background material and presents three-dimensional applications of mathematical objects. Exercises and solutions make it suitable for classroom use and a supporting website supplies downloadable code.

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