SymbolicC++: An Introduction to Computer Algebra using Object-Oriented Programming

By Willi-Hans Steeb, Kiat-Shi Tan
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File type: PDF | 598 pages | File size: 31.Mb

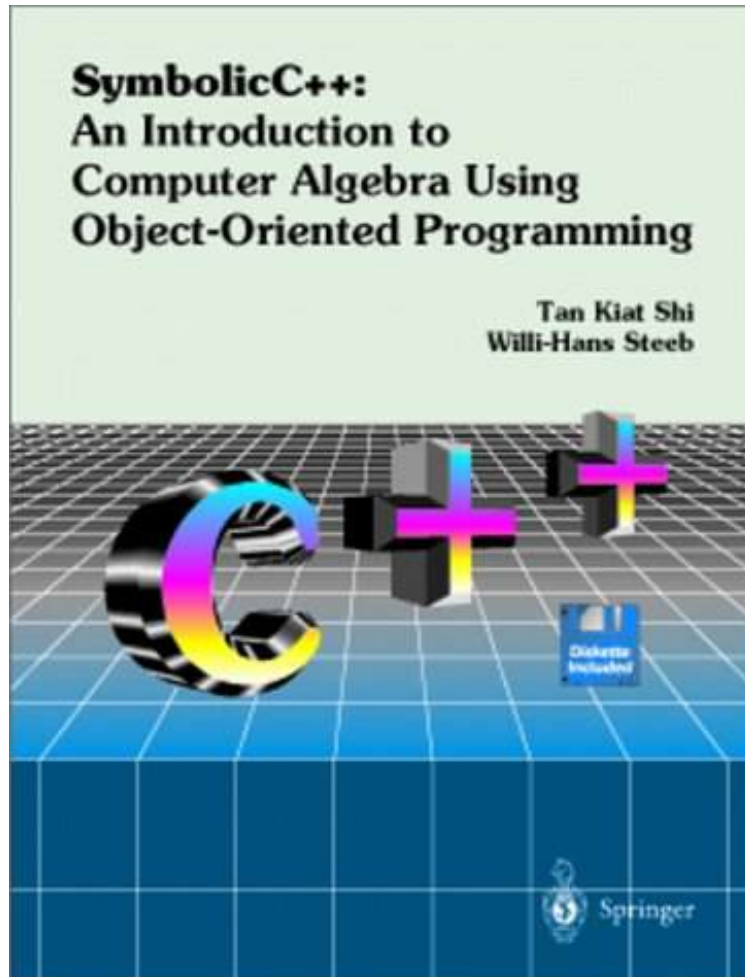**By Willi-Hans Steeb, Kiat-Shi Tan : SymbolicC++: An Introduction to Computer Algebra using Object-Oriented Programming** SymbolicC++: An Introduction to Computer Algebra using Object-Oriented Programming:

10 of 13 review helpful a great object oriented application By Louis Charbonneau You will find this book fascinating if you are a computer science student intrigued by symbolic calculation systems such as Mathematica and Maple and if you would like to see how such systems would be implemented in C Mathematica and Maple are actually implemented in plain old C The C level required is just after CS2 the second C In the most restrictive sense computer

algebra is used for the manipulation of scientific and engineering formulae A mathematical formula which in a programming language can only be evaluated numerically may be treated as a mathematical object in a symbolic algebra system thus allowing for formal transformations such as differentiation and series expansion This makes computer algebra an indispensable tool for research and scientific computing The purpose of this b

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