

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

By Kiat Shi Tan, Willi-Hans Steeb, Yorick Hardy



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Symbolic C++: An Introduction to Computer Algebra Using Object-Oriented Programming provides a concise introduction to C++ and object-oriented programming, using a step-by-step construction of a new object-oriented designed computer algebra system - Symbolic C++. It shows how object-oriented programming can be used to implement a symbolic algebra system and how this can then be applied to different areas in mathematics and physics. This second revised edition:- \* Explains the new powerful classes that have been added to Symbolic C++. \* Includes the Standard Template Library. \* Extends the Java section. \* Contains useful classes in scientific computation. \* Contains extended coverage of Maple, Mathematica, Reduce and MuPAD.



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