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Includes sample programs for
REDUCE, MAPLE, MATHEMATICA and C++

Willi-Hans Steeb

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Quantum Mechanics Using Computer Algebra

Richard H. Enns



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Computer Algebra With Symbolic++ Yorick Hardy, Willi-hans Steeb, Kiat Shi Tan, 2008-09-04 This book gives a comprehensive introduction to computer algebra together with advanced topics in this field It provides a detailed coverage of the mathematics of computer algebra as well as a step by step guide to implement a computer algebra system in the object oriented language C The used tools from C are introduced in detail Numerous examples from mathematics physics and engineering are presented to illustrate the system's capabilities Computer algebra implementations in LISP and Haskell are also included In addition gene expression programming and multiexpression programming with applications to computer algebra are introduced

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Library Extends the Java section Contains useful classes in scientific computation Contains extended coverage of Maple
Mathematica Reduce and MuPAD Computer Algebra in Scientific Computing Andreas Weber, 2019-11-04 Although
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