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<<快速傅里叶变换的计算框架>>

图书基本信息

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内容概要

the fast fourier transform (fft) family of
algorithms has revolutionized many areas of scientific computation.
the fft is one of the most widely used algorithms in science and
engineering, with applications in almost every discipline. this
volume is the most comprehensive treatment of ffts to date.
van loan captures the interplay between mathematics and the design
of effective numerical algorithms-a critical connection as more
advanced machines become available. he uses a stylized matlab
notation, which is familiar to those engaged in high-performance
computing.
this volume is essential for professionals interested in linear
algebra as well as those working with numerical methods. the fft is
also a great vehicle for teaching key aspects of scientific
computing.

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作者简介

Charles Van Loan has been with the department of computer science at Cornell University since 1975 and is the author of other books on this subject.

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媒体关注与评论

"This finely crafted work fills a gap in the library of books on the fast Fourier transform (FFT). It provides a complete and elegant mathematical formulation of the family of algorithms thai compute FFTs. It is written for students and professionals who already have a working knowledge of computational linear algebra... This work is an excellent contribution to the modern FFT literature." ——J. R. Hubbard, Computing Reviews, September 1993."... An excellent survey on the FFT, which will be valuable to all who wish to use it." ——S. Hitotumatu, Mathematical Reviews, Issue g3a."...This book contains a very readable and up-to-date presentation of FFT techniques, their theory and application. Together with many explicit computational algorithms, the extensive annotated list of references add greatly to the scientific value of this reference text." ——Short Book Reviews, August 1992, Vol.12, No.2.

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