INTRODUCTION TO COMPUTER GRAPHICS

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- Computer graphics

DESCRIPTION:

This new introductory text to computer graphics is an adaptation of Computer Graphics: Principles and Practice, Second Edition, which remains the most comprehensive and authoritative work in the field. While retaining the currency and accuracy of the larger book, this abbreviated version focuses on topics essential for all beginners in computer graphics and provides expanded explanations for readers with little or no technical background. Worked examples have been added to illustrate important concepts and techniques, and program code has been written in the C language to enhance the book's usefulness. In addition, the book contains an extensive illustration program, with more than 50 full-color images.

Topic coverage includes basic graphics programming, hardware, and applications. Important algorithms are included to facilitate implementation of both 2D and 3D graphics. A separate chapter covers SPHIGS--a simplified dialect of the PHIGS 3D standard--and coincides with the availability of an updated version of the software. Chapter 9 and presents a concise overview of interaction issues and techniques. Advanced material from the larger book has been condensed, and the mathematics needed for it has been explained carefully.
The result is an accessible introduction to computer graphics, crafted to provide a solid foundation for further work in this exciting field.

FEATURES:

- Adaptation of the definitive computer graphics book in the field-half the length.
- Presents key concepts geared toward students with minimal technical background.
- Provides worked examples in C.
- Retains the high level of teaching standards of the parent graphics text.

CONTENTS:

PREFACE


Forms of Hierarchical Modeling * Other (Industry) Standards * Summary * Exercises


Includes bibliographical references (p. 527-543) and index.

SUPPLEMENTS to the book are available at publishers site. See http://hegschool.aw.com/cseng/authors/foley/compgrafix/compgrafix.sup.html.

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