Introduction to computer graphics: using Java 2D and 3D

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Abstrak

This book providing clear and concise explanations of the basic concepts of computer graphics, and enabling the reader to immediately implement these concepts in Java 2D and/or 3D with only elementary knowledge of the programming language. Features, provides an ideal, self-contained introduction to computer graphics, with theory and practice presented in integrated combination, presents a practical guide to basic computer graphics programming using Java 2D and 3D, includes new and expanded content on the integration of text in 3D, particle systems, billboard behaviours, dynamic surfaces, the concept of level of detail, and the use of functions of two variables for surface modelling, contains many pedagogical tools, including numerous easy-to-understand example programs and end-of-chapter exercises, supplies useful supplementary material, including additional exercises, solutions, and program examples, at an associated website.