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COMPUTER GRAPHICS AND ANIMATION

Expositions in MathCAD

- υ Vector graphics
- υ Raster graphics
- υ Animation
- υ Image Processing in MathCAD 14.0

Žilina, 2008.

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Introduction



The book **COMPUTER GRAPHICS AND ANIMATION – Expositions in Mathcad** presents concise matter originated during many years of teaching at the Technical Faculty “Michael Pupin” in Zrenjanin. The matter of this book can be equally interesting to students of many profiles at this faculty: to informatics teachers, informatics engineers, to teachers of technics and informatics, graduated engineers for management of technical systems, and the others. The book contains algorithms and methods for solving specific class of problems from computer graphics domain that is in great deal mathematically oriented. Its chapters refer to:

- π Vector graphics
- π Raster graphics
- π Animation and
- π Image Processing in Mathcad 14.0

After introductory informing about history of subject domain follow problems exposed through chapters in the above mentioned sequence. Each chapter contains mathematical proceedings, without detailed proofs, with accent on pragmaticism and applicative ness of computer graphics. The follow up compact disc completes the contents of the book and gives to student sufficient and necessary matter through representative files, classified in chapters (folders).

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The authors

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◆ Expositions in Mathcad

- ☞ General notes for the book and CD user.
- ☞ The commands in the English language are written in the font Arial.
- ☞ The terms of the files and folders are marked by Times New Roman alphabet letters, e.g. v1.mcd. Here e.g. prefixes v1, v2, v3 ... mark that that file is in the folder of the third field Vector Graphics.
- ☞ Many files are recorded in PDF format and are in folder depending on related thematic fields they treat.
- ☞ Accessory files e.g. where are numeric data or video records are classified in current files beside MCD files. Otherwise all these files (as duplicates) are collectively situated in a separate folder Data.
- ☞ The most part of the recorded files, are of MCD format end can be opened by the program Mathcad version 2001 or by a more modern one.