

From Geometric Modeling to Shape Modeling

IFIP TC5 WG5.2 Seventh Workshop on Geometric Modeling: Fundamentals and Applications October 2-4, 2000, Parma, Italy

IFIP Working Group 5.2 has organized a series of workshops aimed at presenting and discussing current issues and future perspectives of Geometric Modeling in the CAD environment.

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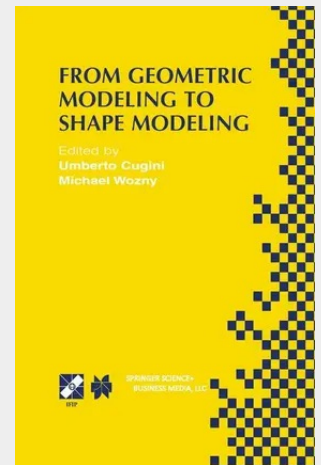
The seventeen included papers provide an interesting overview of the evolution of geometric centric modeling into shape modeling. Also included is an invited speaker paper, which discusses the foundation of the next generation of CAD systems, where shape and function enhance geometric descriptions.

The main topics discussed in the book are:

- Theoretical foundation for solids and surfaces;
- Computational basis for geometric modeling;
- Methods of interaction with geometric models;
- Industrial and other applications of geometric modeling;
- New paradigms of geometric modeling for CAD;
- Shape modeling.

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160,49 €

149,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781475752816

Medium: Buch

ISBN: 978-1-4757-5281-6

Verlag: Humana

Erscheinungstermin: 27.02.2013

Sprache(n): Englisch

Auflage: Erscheinungsjahr 2013

Serie: IFIP Advances in Information and Communication Technology

Produktform: Kartoniert

Gewicht: 394 g

Seiten: 244

Format (B x H): 155 x 235 mm

