



Solid Edge ST7 for Designers

Prof. Sham Tickoo Purdue Univ. and CAD/CIM Technologies

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Solid Edge ST7 for Designers textbook introduces the readers to Solid Edge ST7, which is one of the world's leading parametric solid modeling packages. This book consists of 15 chapters structured in a pedagogical sequence, covering the Part, Assembly, Drafting and Sheet Metal environments of Solid Edge ST7. Both Synchronous and Ordered environments are discussed throughout this book. In this release of Solid Edge ST7, the 3D Sketching has been added to the Synchronous Part environment. It combines the speed and flexibility of modeling with precise control of dimension driven design, thereby generating tremendous productivity gains over traditional methods. Additionally, in this textbook, the author emphasizes on the solid modeling and editing techniques that enhance the productivity and efficiency of the users. Every chapter begins with a tools section that provides a brief information of the Solid Edge tools. Each chapter provides you with tutorials that are created using these commands. This approach allows the user to use this book initially as a learning tool and then as a reference material.

Following are the additional features of this book:

Consists of 15 chapters that are organized in a pedagogical sequence.

Comprehensive coverage of Solid Edge ST7 concepts and techniques.

Tutorial approach to explain the concepts of Solid Edge ST7.

Detailed explanation of all commands and tools.

Summarized content on the first page of the topics that are covered in the chapter.

Hundreds of illustrations for easy understanding of concepts.

Step-by-step instructions to guide the users through the learning process.

Emphasis on Why and How with explanation.

More than 50 real-world mechanical engineering designs as tutorials, 45 as exercises, and projects with step-by-step explanation.

Additional information throughout the book in the form of notes and tips.

Self-Evaluation Tests and Review Questions at the end of each chapter to help the users assess their knowledge.

Technical support by contacting techsupport@cadcam.com.

Additional learning resources at <http://allaboutcadcam.blogspot.com>.

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About the Authors:

CADCIM Technologies, Prof. Sham Tickoo of Purdue University Calumet, and the team of dedicated contributing authors at CADCIM Technologies are committed to bring you the best textbooks and free teaching and learning resources on Computer Aided Design and Manufacturing (CAD/CAM), Computer Programming and Applications, GIS, Civil, Animation and Visual Effects, and related technologies. We strive to be the first and the best. That is our promise and our goal.

Our team of authors consists of highly qualified and experienced animation and visual effects artists who have a strong academic and industrial background. They understand the needs of the students, the faculty, and the challenges the students face when they start working in industry. All our books have been structured in a way that facilitates teaching and learning, and also exposes students to real-world applications. The textbooks, apart from providing comprehensive study material, are well appreciated for the simplicity of content, clarity of style, and the in-depth coverage of the subject.

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