Click on titles for detailed product and pricing information. Contact <u>sales-info@mathsoft.com</u> (U.S. and Canadian customers) or your local distributor for upgrade pricing.

#### Axum 5

Axum 5, the latest version of the premier technical graphing and data analysis package, combines powerful data analysis, customizable toolbars, menus and dialogs, revolutionary data exploration features, programming capabilities, and best of all, publication-quality graphics to present your data.

## **Chemical Engineer's Solutions Suite**

This Mathcad electronic book on Chemical and Process Plant Engineering is a rendering of selections from Hick's Standard Handbook of Engineering Calculations by McGraw-Hill. This stand alone product uses the Mathcad engine.

## **Electronic Giecks': Engineering Formulas**

This Electronic Book, powered by the Mathcad Engine, is based on *Giecks' Engineering Formulas*, 6th Edition, from McGraw-Hill. It contains over 300 equations and formulas that students and professionals can use for reference or when exploring equations in their own work.

# Explorations with Mathcad: Introduction to Ordinary Differential Equations

This Electronic Handbook, powered by the Mathcad Engine, provides a concise introduction to thetheory of solving ordinary differential equations. Through examples, real-life applications and graphing techniques, educators and students can experiment with different methods and solutions.

#### **Explorations with Mathcad: The Essential Roark's**

This Electronic Book, powered by the Mathcad Engine, is based on *Roark's Formulas for Stress and Strain (6th Edition)*. It includes the most useful formulas, examples and explanations found in the original text. Designed for mechanical and civil engineering students, it focuses on the analysis of straight beams and bars.

Click on titles for detailed product and pricing information. Contact <u>sales-info@mathsoft.com</u> (U.S. and Canadian customers) or your local distributor for upgrade pricing.

#### **Finite Element Beginnings**

This Mathcad-based Electronic Book covers the principles and methodology of the finite element method and provides a foundation for establishing finite element applications. A friendly and informative look behind the scenes with plenty of examples to let you develop your understanding.

#### **Image Processing Function Pack**

Enhance Mathcad PLUS with the image processing functions in this Function Pack. You can manipulate color and grayscale images while Mathcad updates equations automatically. Explore smoothing, crisping, and edge finding, or experiment with filtering in the Fourier transform domain.

#### Marks' Electronic Handbook for Mechanical Engineers

This Electronic Book, powered by the Mathcad Engine, brings the authoritative solutions and engineering references of the *Marks' Standard Handbook for Mechanical Engineering* to your desktop. Students and professionals can explore concepts by changing values in Mathcad's "live" math environment.

#### Mathcad Selections from Numerical Recipes Function Pack

This Function Pack enhances the power of Mathcad PLUS by seamlessly integrating 140 new functions into its already outstanding numerical and plotting features. It's ideal for both beginners and for experienced numerical analysts solving real-life problems in science, engineering and business.

## **Mathcad Signal Processing Function Pack**

With this Function Pack you get 60 useful signal processing functions that add demonstration and implementation functionality to Mathcad PLUS. Now you can perform several variations of signal analysis including acoustic or optical and analog or digital in Mathcad's "live" math environment.

Click on titles for detailed product and pricing information. Contact <u>sales-info@mathsoft.com</u> (U.S. and Canadian customers) or your local distributor for upgrade pricing.

## Physical Chemistry Using Mathcad - Book

An important new aid to help you teach, and your students learn Physical Chemistry. Make the computer an effective tool in this process using Mathcad.

#### **S-PLUS**

This advanced data-analysis software provides concrete benefits that traditional, procedural language analysis programs simply can't match. The object-oriented environment makes it easy to examine and explore data, run functions one step at a time, and visually compare models for fit. S-PLUS helps you develop a complete understanding of your data.

#### **Schaums Interactive Outline Series: Electromagnetics**

This Electronic Book, powered by the Mathcad Engine, includes over 100 examples of solved problems in electric circuitry. It's designed to help students, educators and practicing engineers gain in-depth knowledge of electrical circuits and a more complete understanding of the problems.

#### **Schaums Interactive Outline Series: Electric Circuits**

This Electronic Book, powered by the Mathcad Engine, gives you access to over 100 examples of solved problems in electric circuitry. It's designed to help students, educators and practicing engineers learn in-depth material on electrical circuits and gain intuitive understanding of the concepts.

# Schaums Interactive Outline Series: Feedback and Control Systems

This Electronic Book, powered by the Mathcad Engine, is an excellent tool for understanding the fundamentals of feedback control systems and developing the numerical and symbolic techniques for designing them. It includes problem sets and review sections from the original Schaum's *Outline Series* from McGraw-Hill.

Click on titles for detailed product and pricing information. Contact <u>sales-info@mathsoft.com</u> (U.S. and Canadian customers) or your local distributor for upgrade pricing.

## Schaums Interactive Outline Series: Fluid Mechanics and Hydraulics

This Electronic Book, powered by the Mathcad Engine, is based on the original Schaum's Outline Series from McGraw-Hill and contains more than 120 problems and solutions in fluid mechanics and hydraulics. It can be used to enhance understanding and provide reference and background.

# Schaums Interactive Outline Series: Thermodynamics for Engineers

This Electronic Book, powered by the Mathcad Engine, is based on the original Schaum's *Outline Series* from McGraw-Hill and contains 90 thermodynamics problem sets as they apply to mechanical systems. Students, educators, and professionals will benefit from this learning and reference tool.

## Selected Tables from The CRC Handbook of Chemistry and Physics

This Mathcad-based Electronic Book is designed for physical scientists and engineers and provides on-line access to the most useful tables of data found in the *CRC Handbook of Chemistry and Physics* (1992). There are more than 80 tables that can be quickly pasted into your document and manipulated with Mathcad ease.

#### StudyWorks<sup>TM</sup> for Schools

A new integrated learning and teaching tool designed to support active learning. High school math and science teachers can use StudyWorks' rich, interactive environment to explore new concepts with students, prepare tests and assignments and create exciting classroom demonstrations.

Click on titles for detailed product and pricing information. Contact <u>sales-info@mathsoft.com</u> (U.S. and Canadian customers) or your local distributor for upgrade pricing.

## StudyWorks<sup>TM</sup> for Math

StudyWorks for Math covers the full range of math curriculum including algebra, geometry, precalculus, and statistics. Get the power of a graphing calculator with a math-smart word processor in one integrated tool. Access online reference information, connect with other students through the built-in Web Link, even pick up tips for college entry exams.

## StudyWorks<sup>TM</sup> for Science

StudyWorks for Science covers core concepts in physics and statistics and provides key examples fromchemistry, biology, and earth science. Get the power of a graphing calculator with a math-smart word processor in one integrated tool. Access online reference information, connect with other students throughthe built-in Web Link, even pick up tips for college entry exams.

## The CRC Materials Science and Engineering Handbook

This Mathcad-based Electronic Book provides on-line access to over 140 tables of data, illustrations, and plots from the popular text of the same name. It includes tables of common materials, along with their relevant properties, that are preformatted for instant insertion into your document.

## **Topics in Mathcad: Electrical Engineering**

This Mathcad-based Electronic Book provides useful techniques for solving common electrical engineering problems using Mathcad. It includes 24 examples, complete with background material and step-by-step annotated solutions, that you can customize to fit your own engineering applications.