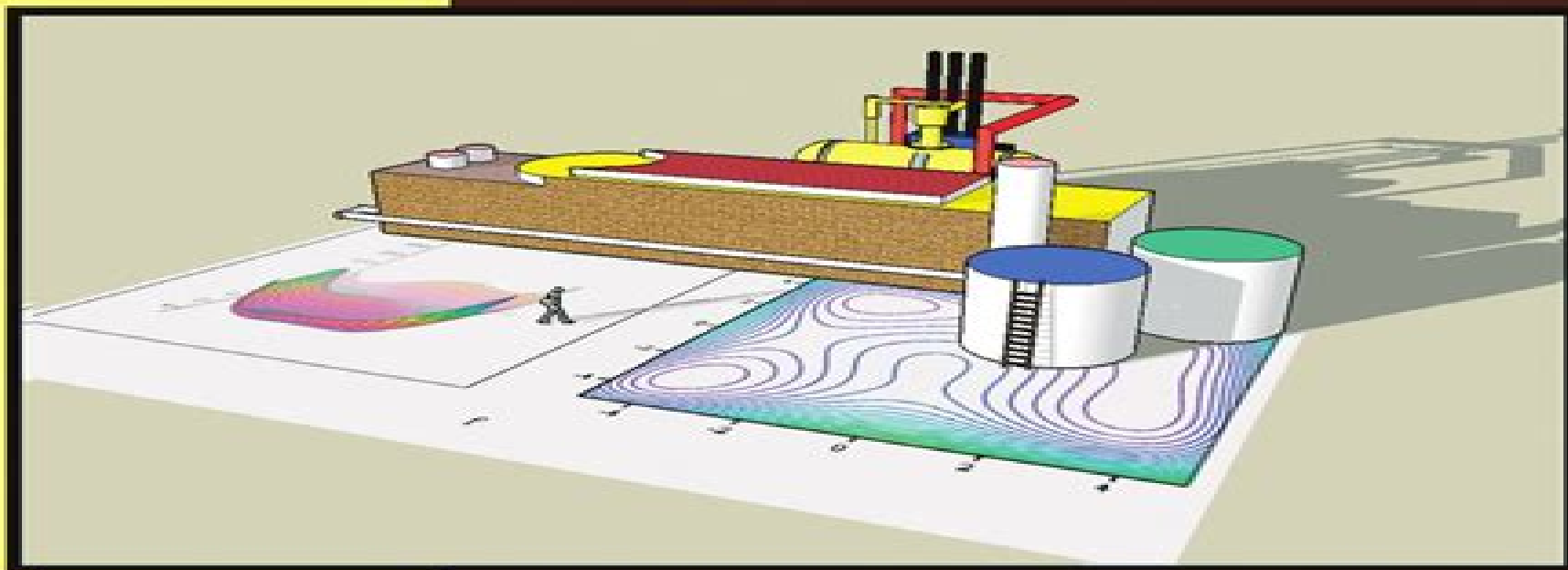


Mathcad for Chemical Engineers



Hertanto Adidharma
Valery Temyanko

**Mathcad For Chemical Engineers By Hertanto
Adidharma 2007 02 19**

Hertanto Adidharma, Valery Temyanko

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Mathcad for Chemical Engineers Hertanto Adidharma, Valery Temyanko, 2007 Mathcad for Chemical Engineers demonstrates the use of Mathcad 13 which is the latest version of one of the most powerful and popular computational software packages in the world for solving various chemical engineering problems. The book serves as a must-to-have guide and quick reference for chemical engineers and those who would like to learn and use Mathcad as their computational tool. This book can also be used as a textbook for chemical engineering education on computing using Mathcad. The book contains many real-life chemical engineering examples from various areas: material and energy balance, thermodynamics, transport phenomena, kinetics, and reactor design, unit operations, engineering economics, and operations management. Unlike other books of similar theme, concise but comprehensive explanations are given in each chapter, and step-by-step procedures of solving mathematical problems are also given for quick reference. Many examples allow readers to experience the power of Mathcad in solving chemical engineering problems. The book has chapters on Mathcad fundamentals, solving a single algebraic equation and a system of algebraic equations, curve fitting, integration and differentiation, solving a single ordinary differential equation (ODE) and a system of ODEs, solving a single partial differential equation (PDE) and a system of PDEs, and programming in Mathcad. There are a number of exercise problems at the end of each chapter that allow readers to further expose themselves to various chemical engineering problems. Although Mathcad 13 is the software package chosen by the authors and used throughout the book, most of the features discussed can also be applied using earlier versions of Mathcad. Furthermore, although Mathcad will always evolve into a newer version, most of the contents in this book will be applicable for any subsequent version of Mathcad.

Mathcad for Chemical Engineers Hertanto Adidharma, Valery Temyanko, 2009-07
A must-have guide and reference of Mathcad for chemical engineers and students illustrating many chemical engineering applications and problems, also intended as a textbook for chemical engineering education on computing. *Digital Computation for Chemical Engineers* Leon Lapidus, 1962

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In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Mathcad For Chemical Engineers By Hertanto Adidharma 2007 02 19**," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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