

## Excel Solutions to the Chemical Engineering Problem Set

Edward M. Rosen  
EMR Technology Group  
13022 Musket Ct. St. Louis, Mo. 63146  
E-mail: EMRose@Compuserve.com  
Tel: 314-434-5498

### **Introduction**

These solutions are to the problems given in Reference (1) which were presented at the ASEE Chemical Engineering Summer School held in Snowbird, Utah on August 13, 1997.

Excel version 7.0 (part of Microsoft's Office 95) was used to solve all the problems. Considerable use was made of Visual Basic for Applications which is part of Excel. User defined functions were written (in VBA) to carry a number of functions including the numerical integration of differential equations (4th order Runge-Kutta method). Use was also made of the Solver and Goal Seek programs routines that are supplied as add-ins with Excel 7.0.

# Excel Solutions To The Chemical Engineering Problem Set

**F. Carl Knopf**



**Excel Solutions To The Chemical Engineering Problem Set:**

The book delves into Excel Solutions To The Chemical Engineering Problem Set. Excel Solutions To The Chemical Engineering Problem Set is a vital topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Excel Solutions To The Chemical Engineering Problem Set, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:
    - Chapter 1: Introduction to Excel Solutions To The Chemical Engineering Problem Set
    - Chapter 2: Essential Elements of Excel Solutions To The Chemical Engineering Problem Set
    - Chapter 3: Excel Solutions To The Chemical Engineering Problem Set in Everyday Life
    - Chapter 4: Excel Solutions To The Chemical Engineering Problem Set in Specific Contexts
    - Chapter 5: Conclusion
  2. In chapter 1, the author will provide an overview of Excel Solutions To The Chemical Engineering Problem Set. This chapter will explore what Excel Solutions To The Chemical Engineering Problem Set is, why Excel Solutions To The Chemical Engineering Problem Set is vital, and how to effectively learn about Excel Solutions To The Chemical Engineering Problem Set.
  3. In chapter 2, the author will delve into the foundational concepts of Excel Solutions To The Chemical Engineering Problem Set. The second chapter will elucidate the essential principles that must be understood to grasp Excel Solutions To The Chemical Engineering Problem Set in its entirety.
  4. In chapter 3, this book will examine the practical applications of Excel Solutions To The Chemical Engineering Problem Set in daily life. This chapter will showcase real-world examples of how Excel Solutions To The Chemical Engineering Problem Set can be effectively utilized in everyday scenarios.
  5. In chapter 4, the author will scrutinize the relevance of Excel Solutions To The Chemical Engineering Problem Set in specific contexts. The fourth chapter will explore how Excel Solutions To The Chemical Engineering Problem Set is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, this book will draw a conclusion about Excel Solutions To The Chemical Engineering Problem Set. The final chapter will summarize the key points that have been discussed throughout the book.
- This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Excel Solutions To The Chemical Engineering Problem Set.

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