

Excel Solutions to the Chemical Engineering Problem Set

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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.

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Michael B. Cutlip, Mordechai Shacham

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Table of Contents Excel Solutions To The Chemical Engineering Problem Set

1. Understanding the eBook Excel Solutions To The Chemical Engineering Problem Set
 - The Rise of Digital Reading Excel Solutions To The Chemical Engineering Problem Set
 - Advantages of eBooks Over Traditional Books
2. Identifying Excel Solutions To The Chemical Engineering Problem Set
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Excel Solutions To The Chemical Engineering Problem Set
 - User-Friendly Interface
4. Exploring eBook Recommendations from Excel Solutions To The Chemical Engineering Problem Set
 - Personalized Recommendations
 - Excel Solutions To The Chemical Engineering Problem Set User Reviews and Ratings
 - Excel Solutions To The Chemical Engineering Problem Set and Bestseller Lists
5. Accessing Excel Solutions To The Chemical Engineering Problem Set Free and Paid eBooks
 - Excel Solutions To The Chemical Engineering Problem Set Public Domain eBooks
 - Excel Solutions To The Chemical Engineering Problem Set eBook Subscription Services
 - Excel Solutions To The Chemical Engineering Problem Set Budget-Friendly Options

6. Navigating Excel Solutions To The Chemical Engineering Problem Set eBook Formats
 - ePub, PDF, MOBI, and More
 - Excel Solutions To The Chemical Engineering Problem Set Compatibility with Devices
 - Excel Solutions To The Chemical Engineering Problem Set Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Excel Solutions To The Chemical Engineering Problem Set
 - Highlighting and Note-Taking Excel Solutions To The Chemical Engineering Problem Set
 - Interactive Elements Excel Solutions To The Chemical Engineering Problem Set
8. Staying Engaged with Excel Solutions To The Chemical Engineering Problem Set
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Excel Solutions To The Chemical Engineering Problem Set
9. Balancing eBooks and Physical Books Excel Solutions To The Chemical Engineering Problem Set
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Excel Solutions To The Chemical Engineering Problem Set
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Excel Solutions To The Chemical Engineering Problem Set
 - Setting Reading Goals Excel Solutions To The Chemical Engineering Problem Set
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Excel Solutions To The Chemical Engineering Problem Set
 - Fact-Checking eBook Content of Excel Solutions To The Chemical Engineering Problem Set
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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