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Introduction to Chemical Engineering Computing | Wiley

Introduction to chemical engineering computing / Bruce A. Finlayson. – 2nd ed. p. cm. Includes index. ISBN 978-0-470-93295-7 (pbk.) 1. Chemical engineering–Data processing. I. Title. TP184.F56 2012 660.0285–dc23 2011045242 Printed in the United States of America 10 987654321

INTRODUCTION TO CHEMICAL ENGINEERING COMPUTING

INTRODUCTION TO CHEMICAL ENGINEERING COMPUTING

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Computers have revolutionized the way chemical engineers design and analyze processes, whether designing large units to make polyethylene or small microreactors used to detect biological agents. Nowadays, you no longer have to write your own software programs to use computers effectively. Computer programs can do the numerical calculations for you, but you'll still need to understand how to apply these programs to specific engineering challenges and validate your solution.This book will:

Introduction to Chemical Engineering Computing

Chemical engineering students and chemical engineers are being asked to solve problems that are increasingly complex, whether the applications are in refineries, fuel cells, microreactors, or pharmaceutical plants.

Introduction to Chemical Engineering Computing

Covering a broad range of disciplines and problems within chemical engineering, Introduction to Chemical Engineering Computing is recommended for both undergraduate and graduate students as well as practicing engineers who want to know how to choose the right computer software program and tackle almost any chemical engineering problem.

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INTRODUCTION TO CHEMICAL ENGINEERING COMPUTING

This pdf illustrates how to use the programming language Python to solve the problems posed in the book Introduction to Chemical Engineering Computing, Bruce A. Finlayson, Wiley (2006-2014). The material mirrors the use of MATLAB in the book, and solves the examples in Chapters 2, 3, 4, and 8.

Introduction to Chemical Engineering Computing: Extension ...

These are lecture notes for AME 20214, Introduction to Engineering Computing, a one-hour sophomore-level undergraduate course taught in the Department of Aerospace and Mechanical Engineering at the University of Notre Dame. The key objective of the course is to introduce students to the UNIX operating system

LECTURE NOTES ON ENGINEERING COMPUTING

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