

Interface and Getting Started

INTRODUCTION TO COMPUTER-AIDED DESIGN

SOLIDWORKS Basics and the User Interface

Reference :

Solidworks Essential for Solidworks Training,
Lesson 1 – SOLIDWORKS Basics and the User
Interface, page 7 – 25.



What is Computer-Aided Design?

- CAD (computer-aided design) software is used by architects, engineers, drafters, artists, and others to create precision drawings or technical illustrations. CAD software can be used to create two-dimensional (2-D) drawings or three-dimensional (3-D) models.
- Computer-aided design (CAD) is the use of computer systems (or workstations) to aid in the creation, modification, analysis, or optimization of a design. CAD software is used to increase the productivity of the designer, improve the quality of design, improve communications through documentation, and to create a database for manufacturing. CAD output is often in the form of electronic files for print, machining, or other manufacturing operations.



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Selected Topics On Computer Aided Process Design And Analysis

Clemens Wendtner



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less than half of the spontaneously submitted manuscripts were accepted for publication Advances in Bioprocess Engineering belongs among the indispensable set of instruments of today's researcher in this field

Integrated Power And Desalination Plants Asghar. Husain, 2003-10-15 Application of advanced computer oriented techniques are necessary in the synthesis design analysis and operation of a complex integrated plant to produce power and freshwater by desalting seawater or brackish water at higher efficiency and lower cost These are the two vital commodities to maintain sustainability of life particularly in the arid regions where natural freshwater supply is either totally lacking or has become scarce Even in the regions with polluted water resources such a system is required to support life At the same time the available energy should be put to maximum use and life cycle analysis is essential to ensure sustainability of the systems The contributors of this book experts in their own respective fields outline the various techniques enriched by their experience The contents of the book would therefore be of great interest not only to designers and operators of dual purpose power desalination plants but also to educators and researchers as well serve as a valuable source of information to those engaged in other areas of processing industry The book is motivated by the growing importance of integrated power and desalination plants in general and in their respective regions in particular and the long felt need for an authoritative book on the subject After a long gap of more than two decades following the publication of Principles of Desalination Spiegler and Laird in 1980 this book would be a welcome addition to the literature in the field to serve as a valuable guide and reference to all those who are concerned with the integration of power and desalination plants It will also serve as a valuable source of information to those in the processing industry in general

Multi-Stage Flash Desalination Abraha Woldai, 2015-06-26 Explore a Viable Resource for Desalination The world's freshwater supplies are rapidly depleting and seawater is being positioned as a major feasible replacement in the search for a sustainable water source Focused on large scale multi stage flash MSF seawater desalination plants and based on research conducted on a real 18 stage plant Multi St

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reference for the chemical engineering design course usually offered to all Chemical Engineers at the junior senior level This new edition contains the latest cost data as well as new emphasis on safety and H42OPS and a new chapter on Computer Aided Design The book nicely balances both economics cost estimating and cost data and process equipment design in one text **Diffusion and Convection in Porous Catalysts** Ian A. Webster, William C. Strieder, 1988 Electrochemical Engineering Applications Ralph E. White, Robert F. Savinell, Alfred Schneider, 1987 Very Good No Highlights or Markup all pages are intact *Chemical Process Simulation* Asghar Husain, 1986-04-17 A guide to simulation techniques for chemical engineering Covers flowsheeting partitioning and tearing a set of equations and networks of process units maintaining sparsity of matrices convergence promotion methods and available data banks of properties Reviews background information on model formulation and numerical methods and applications of graph theory in synthesising networks New Membrane Materials and Processes for Separation Kamallesh K. Sirkar, Douglas R. Lloyd, 1988

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