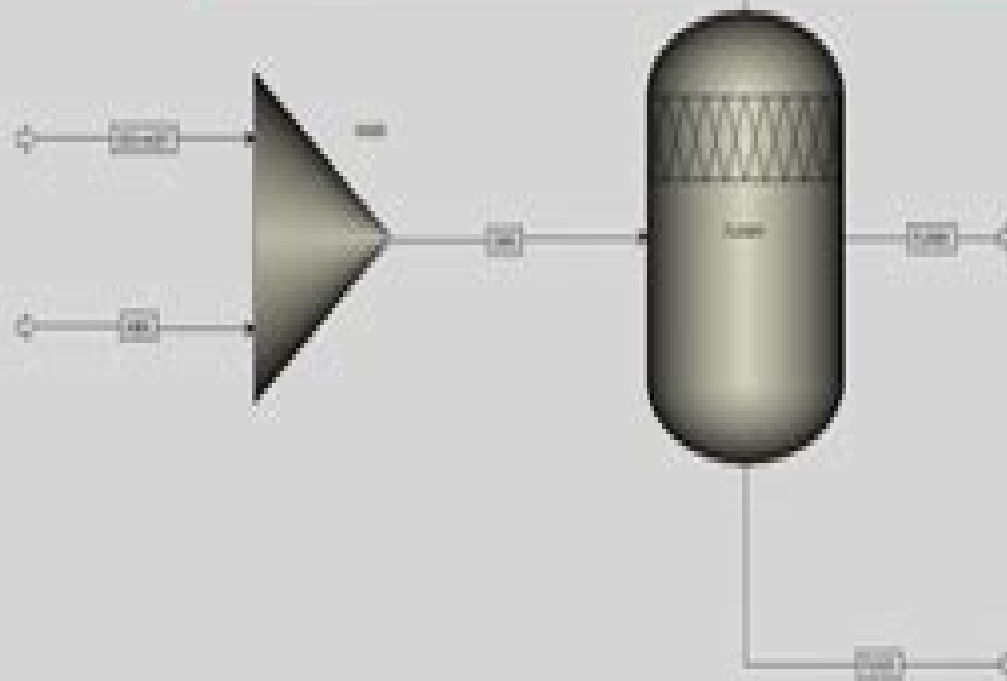


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## Chemical engineering simulation



# Aspen Plus Software Chemical Engineering

**Yeong Koo Yeo**



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Foo,2022-09-29 Chemical Engineering Process Simulation Second Edition guides users through chemical processes and unit operations using the main simulation software used in the industrial sector The book helps predict the characteristics of a process using mathematical models and computer aided process simulation tools as well as how to model and simulate process performance before detailed process design takes place Content coverage includes steady state and dynamic simulation process design control and optimization In addition readers will learn about the simulation of natural gas biochemical wastewater treatment and batch processes Provides an updated and expanded new edition that contains 60 70% new content Guides readers through chemical processes and unit operations using the primary simulation software used in the industrial sector Covers the fundamentals of process simulation theory and advanced applications Includes case studies of various difficulty levels for practice and for applying developed skills Features step by step guides to using UniSim Design SuperPro Designer Symmetry Aspen HYSYS and Aspen Plus for process simulation novices      **Introduction to Chemical Engineering** Uche P. Nnaji,2019-10-10 The field of chemical engineering is undergoing a global renaissance with new

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skills in MATLAB and beyond Examples of code both within the text and on a companion website End of chapter problems with an accompanying solutions manual for instructors This textbook is ideal for advanced undergraduate and graduate students in chemical engineering and related disciplines as well as professionals with backgrounds in engineering design

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