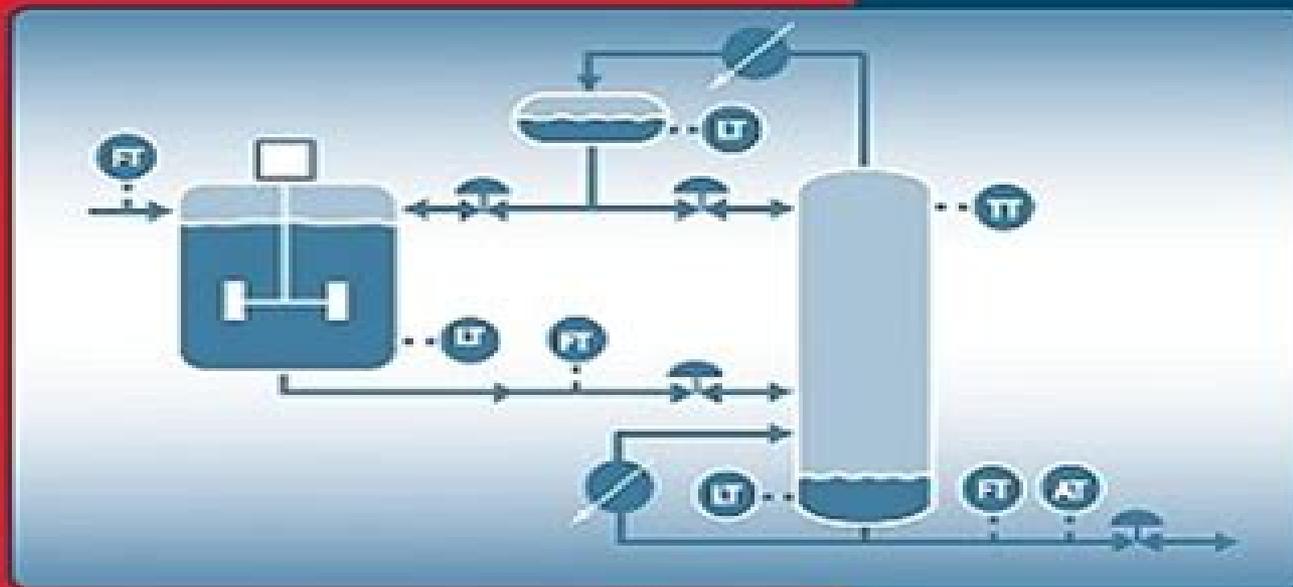


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Computer and Information Science Applications in Bioprocess Engineering A.R. Moreira, Kimberlee K. Wallace,2012-12-06 Biotechnology has been labelled as one of the key technologies of the last two decades of the 20th Century offering boundless solutions to problems ranging from food and agricultural production to pharmaceutical and medical applications as well as environmental and bioremediation problems Biological processes however are complex and the prevailing mechanisms are either unknown or poorly understood This means that adequate techniques for data acquisition and analysis leading to appropriate modeling and simulation packages that can be superimposed on the engineering principles need to be routine tools for future biotechnologists The present volume presents a masterly summary of the most recent work in the field covering instrumentation systems enzyme technology environmental biotechnology food applications and metabolic engineering Process Dynamics B. Wayne Bequette,1998 Suitable as a text for Chemical Process Dynamics or Introductory Chemical Process Control courses at the junior senior level This book aims to provide an introduction to the modeling analysis and simulation of the dynamic behavior of chemical processes Perry's Chemical Engineers' Handbook, Eighth Edition Don W. Green,Robert H. Perry,2007-11-13 Get Cutting Edge Coverage of All Chemical Engineering Topics from Fundamentals to the Latest Computer Applications First published in 1934 Perry s Chemical Engineers Handbook has equipped generations of engineers and chemists with an expert source of chemical engineering information and data Now updated to reflect the latest technology and processes of the new millennium the Eighth Edition of this classic guide provides unsurpassed coverage of every aspect of chemical engineering from fundamental principles to

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