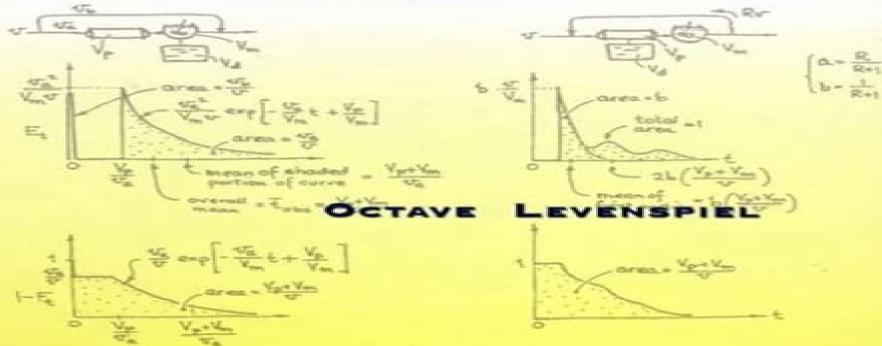
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# **Solution Octave Chemical Reaction Engineering**

**Octave Levenspiel** 

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volume of around 300 kTon per year is a key feedstock for leveraging lignocellulosic residues in future biorefineries Several chemicals are already being manufactured from furfural due to its advantageous production cost Furthermore a vast number of others are also technically viable to produce from oil This book compiles the vast existing information into relevant stages of transformations of furfural as renewable chemicals biofuels and bioresins focusing on the relevant chemical and engineering aspects of processes to obtain them including reactors and catalysis It offers essential information for improving the economic and environmental viability of current commercial applications and upcoming future applications It should be of particular interests to graduate and advanced undergraduate students as well as engineers and academic researchers alike who are working in the field <a href="Maintenanto-catalog-continuous light-residue">Catalog of Copyright Entries</a>. Third Series Library of Congress. Copyright Office, 1974

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Process Engineering and Industrial Management Jean-Pierre Dal Pont, 2013-03-04 Process Engineering the science and art of transforming raw materials and energy into a vast array of commercial materials was conceived at the end of the 19th Century Its history in the role of the Process Industries has been quite honorable and techniques and products have contributed to improve health welfare and quality of life Today industrial enterprises which are still a major source of wealth have to deal with new challenges in a global world They need to reconsider their strategy taking into account environmental constraints social requirements profit competition and resource depletion Systems thinking is a prerequisite from process development at the lab level to good project management New manufacturing concepts have to be considered taking into account LCA supply chain management recycling plant flexibility continuous development process intensification and

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