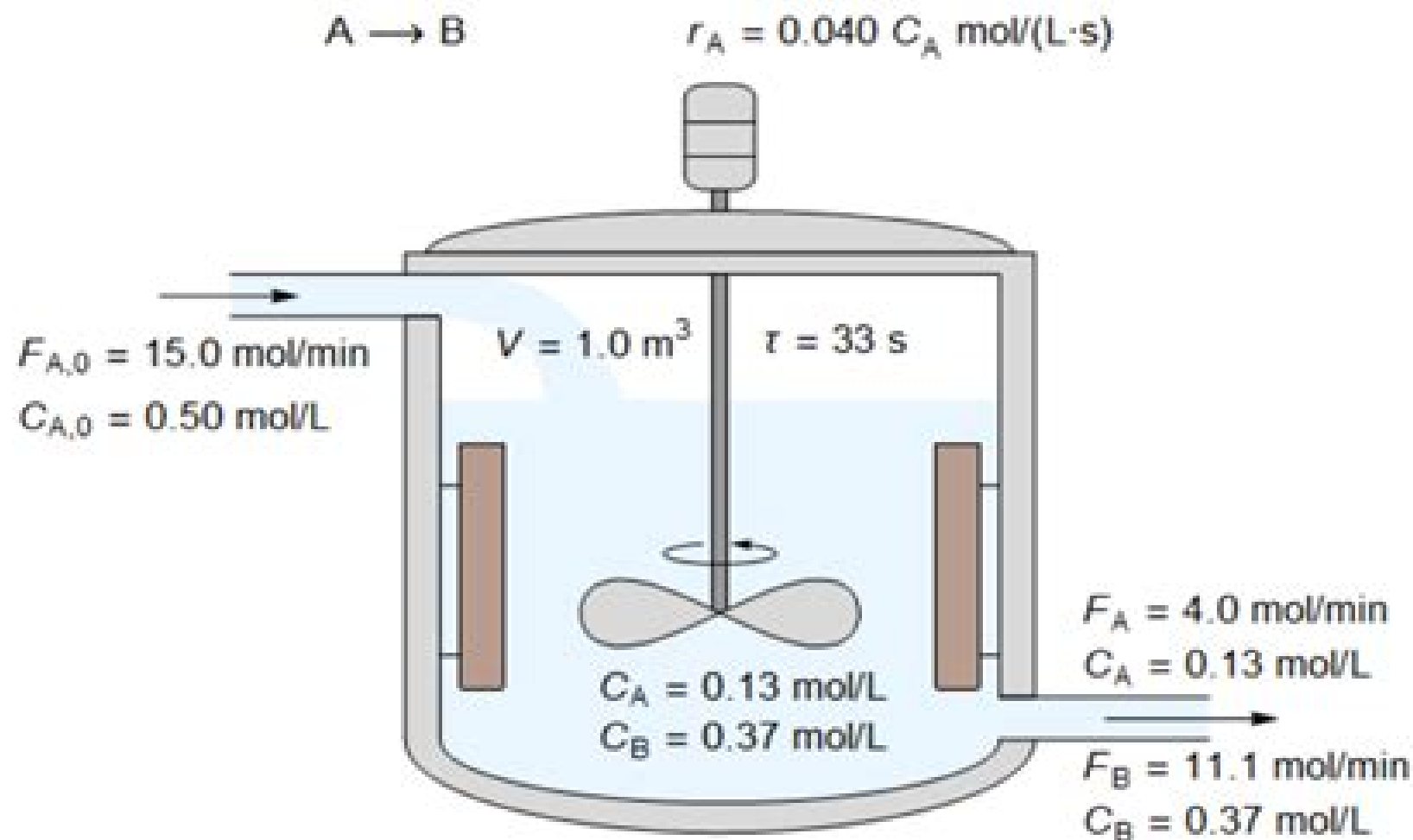


$C_{A,0}$ (mol/L) volumetric flow rate (L/min)
reaction rate constant k (s^{-1})
reaction order of A ☒ 1st ☐ 2nd



Reaction Kinetics And Reactor Design

Angelique Du Toit



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Chemical Reaction and Reactor Design Hiroo Tominaga, Masakazu Tamaki, 1997 *Chemical Reaction and Reactor Design* begins with a discussion of chemical reactions emphasizing chemical equilibrium and rate of reaction and proceeds to the theory and practice of heat and mass transfer and important considerations in the design of chemical reactors The final section of the book provides detailed case studies from the chemical industry covering the six chemical processes naphtha cracking steam reforming epoxy resin production hydro treating fluid catalytic cracking and flue gas desulfurization The comprehensive coverage of theories of chemical reaction and their application to reactor design provided here will be of value to chemical engineers industrial chemists and researchers in these fields

A Guide to Chemical Engineering Reactor Design and Kinetics Gael D. Ulrich, 1993 [Ozone Reaction Kinetics for Water and Wastewater Systems](#) Fernando J. Beltran, 2003-12-29 Interest in ozonation for drinking water and wastewater treatment has soared in recent years due to ozone's potency as a disinfectant and the increasing need to control disinfection byproducts that arise from the chlorination of water and wastewater *Ozone Reaction Kinetics for Water and Wastewater Systems* is a comprehensive reference that

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