

A First Course on Kinetics and Reaction Engineering

Problem 11.3

Problem Purpose

This problem will help you determine whether you have mastered the learning objectives for this unit.

Problem Statement

The data given in problem 11.1 were actually the response of two CSTRs connected in series. The first reactor's fluid volume was 1 L and the second reactor's fluid volume was 9 L. Plot the age function from the experimental reactor and the age function for the two ideal reactors connected in series, and based upon the plot, decide whether the experimental reactors can be modeled as two ideal CSTRs connected in series.