

AFCoKaRE Practice Problem 17.2

Purpose: Completing this problem will make you aware of the assumptions associated with each of the three ideal reactor models. By knowing the assumptions they make, you will be better able to identify situations where they do and do not apply.

Problem Statement: Go through the derivation of the models for the ideal batch reactor, the ideal CSTR and the ideal PFR and for each reactor model, list the assumptions made in the formulation of the model.