



for Zero, 2st, 2nd order ron, which configuration has better conversion?

Config A MFR->PFR

Zero odder $C_1 = C_0 - KTm$ $C_2 = C_0 - KTp$ $= C_0 - KTm - KTp$

config. B PFR-D MFR. $C_1 = C_0 - kTp$ $C_2 = C_1 - kTm$ $= C_0 - kTp - kTm$

.. no difference

1storder MFR->PFR

confg B PFR->MFR

.. No difference

Performance equis

zero KT = Co-C

x+ KT = Co-C

KT = Co-C

CZ

KTE



If 2 different sized ideal mixed flow reactors are placed in series, will the configuration affect the overall conversion?