CROLIE 2019

TUT 1.3

Fro-40 mol/min
$$\rightarrow$$
 PBR (w) \rightarrow P

FAD = 0,33 FT

FOU = 0,67 FT

Re = 50tm

A + 23 -DC

Civer: $T = 178$ C (isothermal assumed)

 $L' = 0,05$ mol A

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 $L' = 0,03$ kg/mol

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 $L' = 0,085$ m

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$$k' = 0,05$$
 mod A

 $kg.min.atm3$
 $MMAJ = 0,03 kg/mol$
 $E = 0,4$
 $Dreator = 0,085m$
 $A = Ti(Dreator)^2/4 m^2$
 $dcat = 0,003m$
 $\mu = 2415^5 kg/m.s$
 $C)$
 $padred bad = 1000 kg/m^3$

IZ

FC

$$- \partial G = \frac{MM_{A\overline{J}}.f_{\overline{J}}}{A}$$

$$k = \frac{G}{P_{5}dp} \left(\frac{1-\varepsilon}{\varepsilon^{3}}\right) \left[\frac{150\mu(1-\varepsilon)}{dp} + \frac{1}{75G}\right]$$

$$\left(A.P_{cat}.\left(1-\varepsilon\right)\right)$$

$$\varphi = \frac{f_T R^T}{P}$$

$$CA = \frac{F_A P}{F_T RT}$$

7)
$$cc = fcP$$
 $X_i = f_{io} - f_i$

$$F_7PT$$

$$F_{io}$$

D.E.s: 8)
$$\frac{dfA}{d\omega} = \frac{\Gamma_A}{d\omega}$$

a) $\frac{dfB}{d\omega} = \frac{\Gamma_B}{d\omega}$

10) $\frac{dfc}{d\omega} = \frac{\Gamma_C}{d\omega}$

11)
$$\frac{dP = -K(P_0)\left(\frac{F_1}{F_{70}}\right)}{d\omega}$$