CBE 40445 TEST #3 REVIEN CHAPTER 8, 9.

CHAPTERS NON IDEAL FLOW IN REACTORS

UNDERSTANDING THAT YOU SHOULD "BOLO" (BE ON LOOK OUT)

FOR NON IDEAL ITLES,

LOOKING OUT FOR THESE IS MORE

IMPORTANT THAT KNOWING HOW TO

GOLUF A SPECIFIC

PROBLEM.











MIGHT OCCUR IN MICROFLUIDIC OPEN PIPE REACTOR DEVICE



IF "PLUG FLOW" THEN

IF LAMINAR FLOW, CENTER

OF PIPE WOULD EXIT

FIRST







HEAT OF REACTION/ COMBUSTION



BATCH REACTOR SUA+(++-T)dt= -AHnto meter $+ \sum_{L} \left(M_{i} \int_{T_{FINAL}} C_{p_{i}} dT \right)$ A MORE CONVENIENT FORM: $UA_{+}(T^{*}-T) = \Delta H_{n} \wedge V + \leq m; C_{p; dT}$ HEAT AFAT # F-A-T REMOVED BY GENERATION NERDEDTO FATERNAL SINK FFOM INCRASE 1 REACTION FOR A TEST, COULD HAVE A SITUATION WHERE COOLING KEEPS T CONST - 7 HOW MUCH COOLING ? COULD HAVE A SITUATION WHERE AT IS SMALL .. NOT A BIFFFFCT DN RATE, SOMEFIXED COOLING.









