Lecap

- Equilibrium (or shifting equilibrium) flows: everywhere in notale, recombination to local equilibrium conds. { composit. temp. press.

- Frozen flows: composition everywhere in nozze fixed @ values attained @ end of CC

Frozen flows -> NO " " -> (arest 58p)

-) recombination includes "combustion", e.g. H & O -> HzO + heat!

Real flows: partial equil, or non-equil.

Ex. energy distribution for equil. flows in fig. 12.4

Ex. or real flows in fig. 12.5 \$ 12.6

12+ 02 very close to equil. flow

TPY + 02 Close to frozen flow

- (hemical times & relocities affect this

time constants

for cxn