

"CO COMBUSTION W/AIR"

Tr = 298[K]

Hr = enthalpy('CO', T=Tr) + .5\*(enthalpy('O2', T=Tr)+3.76\*enthalpy('N2', T=Tr))

"Tp determined through parametric study"

Hp = enthalpy('CO2', T=Tp) + .5\*3.76\*enthalpy('N2', T=Tp)

DeltaH\_molar = Hp - Hr

