Example: Unitra-Compart Combustor

= Too 1500K Tsurrougs: 900K

h = 30050

n2 K Known:
Vare in high teperte ? Find: Allow much heat is conditional from the vane B) what is the theret conditing that the hub Schowate Ein + Fat + Ege = Est (A) Are of the base 0.1 m2 (As) surfee area - 0.5 m2 Paperies: x=0.2 Soldie: A En + Ed + Ed = Ed Sconet + Bred, supry = Bred, we + Earl Barl = fina Bul - But were Band = h(As) (To-Ts) +A & or (Tsu -Ts") Bood = (0580) (1500-800) + 0.2 (5.67x000) (9004-8007) god = (A)-K dT = = -k DT

guil = (0,1) -k (700-800)