| Questia ! |
|--|
| (5) Cladding: temperature constat = 650 k (Pellet-Clad twieraching) |
| gap: Eller Clark aterection |
| Pellet Center! tenferature increased to about 1350 K Surface" tenferature around 700 K. Pellet expansion, Come in Contact with Clark |
| -2, T increase due to decrease in fuel k with burnup -27, 3/30 - |
| b) = 217 × 2.0 € × 365×2 = 462.82×10 garata/0 |

b) $0.317 \times 2.06 \times 365 \times 2 = 462.82 \times 60 \text{ gas ata-fcm}$ -8, = 7.56e+19 gas atoms/cm3

c) NFG = YFdot = = 0.10 x 2.0 e x 0.317 x 730 = 46.3 x 10 13 ges ata/c3

JEACHIN LOUTANGOU

-14, time? f?

JEACHI CONTANGOU

3

Problem 3 -25,5/30

Or oxide weight gain $D_{m} = 2.23e^{3} \times \exp\left(-\frac{7620}{600}\right) = 18 \text{ microns}$

Il microstrate clapies

-10, part a -5, part b

-10, part c

Coolant Zone

Erloz

Clad

Clad

Hydride

Clad

Hight terperature

Pellet 2one

-15, 0/15

-15, Problem 4?