Ana Carolina Autures NE 591 - EXAM #1

Koode 15 W/mK =
$$0.15$$
 W/amK
$$K_F = 0.5$$
 W/cmK

66

There = Tout + LHR took = 821.8 +
$$\frac{452.4(0.86-0.25)}{2\pi(0.6)(0.05)}$$
 = 845.8 K

Tgap = Total + LHR total =
$$\frac{452.4(0.85-0.8)}{2\pi(0.6)(0.15)}$$
 + 845.8 = 885.8 K /

$$T(\lambda) = Q(R^2 - \lambda^2) + T_F = 0 T(0.4) = 400(0.6^2 - 0.4^2) + (0.5)$$

3)
$$L = 145 \text{ W/mK}$$

$$P = 15.67 \text{ g/om}^3$$

$$O_4 = 570 \text{ b}$$

oka.go,

a)
$$\phi = 2 \times 10^2 \text{ n/cm}^2 \text{s}$$

$$\frac{X}{M} = 1.09 \times 10^{-3} = 0 M = \frac{X}{109 \times 10^{-3}}$$

$$M = (x.235 + (1-x)238) + 2x16) = \frac{x}{1.09x10^{-3}}$$

$$X = 0.2557 \times + 0.259 - 0.259 \times + 3.48 \times 10^{-2}$$

(a)
$$E = 2\pi 0$$
; $E = 450 \text{ M/m}$; $E = 150 \text{ M/m$

1=7.13+0.33[4(1.65)-3(1.65)=]=6.6L

to=1.98

Same thing

$$t_1 = 0.33$$
 $\begin{cases} t_1 = 6 + 0.35 \left[4(0.33) - 3(0.33)^2 \right] = 6.33 \end{cases}$

$$t_2 = 0.66$$
 $f_2 = 6.33 + 0.33 \left[4(0.66) - 3(0.66)^2 \right] = 6.78$

$$t_5 = 0.99$$
 $f_3 = 6.78 + 0.33 \left[4(0.99) - 3(0.99)^2\right] = 7.12$

$$t_{4} = 1.32$$
 $f_{4} = 7 (2 + 0.33) \left[4(1.32) - 3(1.32)^{2} \right] = 7.14$

Traportant due to fuel swelling dure operations by

1) We enrich U to increase fissile quantity (U-235) in the fuel. Enrichment is possible due to mass difference between U-235 to U-238. - Sletails of centrifye process?

Blank Quertions: 1, (e) (0, 1)