Late = / 79 85 Fed. Feb. 11/02 1808 1 Example Examoud 3, 18(3+1)+ P = 0 (D) h / 1/(a) a //2 -0 C1 = 0 K 91 = - 0 16 T(x) = - Qx2 + C2 T(XX) = TA T(X) = - 0 X2 + C = TA 10 C= = T1+ QX2 To1 = - 9x8 + 9x8+T1 Tor 1 - Ty = CR(x2-x2) Toget to equia (1) For assumption were mode

#1 : Stady State V. (KOT)+Q=0 / S_{n} $\int_{x} (k + \frac{1}{3}) + \frac{1}{3} (k + \frac{1}{3}) + \frac{1}{3} (k + \frac{1}{3}) = 0$ wed Barth - Z d (K) + Q(v) = 0 \$4 constant themal conductivity: equia (1) Exerce 2. Todacadia Trad = LHR = BTR Q = TX10,612 X 400=412, XX to a sold of a winder by 2? Tooling Tool = ETREDHOODS ETROGENT, S

Tooling Tool = E1,81K 1309 = 5-F1 = 0,1cm

Trooting = 21,81K + 800 1001, = 821, 81 K Tolas - Touting = LAIR Atcorting = 452,38 × 0,005 / XX 271 x0,6 x 5/100 Ynk Tolay - Tooting = 18 K x b Tely = 821,81 +12 = 833,81 K Top-Tolal = LHR tolal = 452,38 x0,025

ZTRGX Kolal = 250,025

ZTRGX Kolal = 250,025 TS-P-TON - 20 K XX Toop = 20 + 833,81 K = 853,81K TBOD-15-P = LHE TOOP = 452,38x0,12 = 211x0,6x25/100 Thel= 48K+ Tgap xd Thel = 901,33K

1/1/ Fracice 5 -de-man Us Sia = 3x (235x0,105+258x0,805) +2 ×28 Us Siz = 237,415 x3 +2x28=764,245918 NF = 15,67 × 6,022 × 103 × 0,19 (× 3 1) = 2,18 ×1022 U235/25 V Q = (200 × 106 × 1,6 × 16 × 16 15 1) x 7,18 × 18 1 × 18 × 18 × 170 × 16 Q = 261,92 W/cm5 L no 55

17 20=1.5=3 LHE(Z) = LHE" cos (1) (Z -1) LHE (ME) = 150 cm (TI (18-1)) LIR (1.8)=126,18 W/c= x-2 Track Sal Tad = 2 × 180× 150 × (3 = (7) +5:- (70) =10,8 fx (0,38 ====) = 10,65 K for Shi Started but not finished

Exercice & Forward ender 6 (ma) = 6(m) + drd/ 9 (ta) = 40) + 0,55 (4= 501) = 6 +0,58 5 (435) = 6153 9(13) = 9(1) +0,15 × (40,55 + 5×1,356) 9 (A,66) = 6,334 () (13) = 9(12) +0,33x (4x1,66 = 5x1,662) y(2) = 5,797 / (-1,628)

Beckend aler y(t)= y(+0)+ 0+33 (4x1.53-3x1.35) = 6 + 0,33 x 0,0153 y(4,35) = 6,004 2)(t2)=9+2+0,53 x(4x1,66-3x1,668) y (1,64) = 5,467 g(+3) = 9 = + 0,33x | 4x2 - 3x2° 9(4) = 4,142

Exercice 6 + a Fest: le motoriel de a motoriel that is not formable St but can be converted into a broile muchide

by eather obserption + a bios: le motoriel is a pobly of sisting a malen fissin chain restin with retros * a fininable material iscapabille of unleng or fosin over 6. Th lan probablity) after captering a high energy ment a Exercise 7 3/4 - because during thousand galong, Pre Vistel note otable? as proce UDs considering + but it has thee phoses -1 The what is smear density? Sulling of the feel on detamine the thicken

of the orp more und more sully 3. Emace 3 to ench U becase only 0-235 could Sate a niles 8/2 ale moder which exist atually in Vo 600,79 mon monty weathers UF 1608) the anichetigs catific process 203 is placed in a gop) established at a high speed The heavier U-238 Willbe pushed to the Sides of The Cylinder from the enter Ma ad Cs beis forendetendite

Ma ad Cs beis forendetendite

Abb Loppitalist

or for histor (dabb Loppitalist) Enace 11 8/9 Ends de Harris J Finte clast so princy met had for high Godal ty fel perforance codes became it has cultured as possible and on