Ars 10

or si=ui

Expressing winz 802 in 2100 gets u=1 1 72= 1/2 1 47=1/2

O

Step-01. State Varioble

n, (t) = 210+211+1 212+2+28+3

Step-02; Setup Founting

Tritial orditor

2010)=azu=1

1=00= = (0) En

1=110=(0) pi

Fred Condition

MICT) 2010 to 11 Tta 28 + 20 T3=1

72(1)=920+9217+9259 +92373

Mg(T) = azot 2317 + e3272 + a3373

niz(T) = ezit 2021 + 3023 T=1

1.3730	
Paul	

Stop-03's Contrust & Some Motors Equation

a12 +035 =1

, an=08 an=0

21021 9/2/

For nalt:

9.20=1

9217 +0227 +0227 =0 [From 1017) =]

1+3=023T2=0 [From n2CD=] For N3 (4): (02) = [0] Molow

a30=

9317 + 03272 + 03373 = 6 [From 78 (T)=1]

This Simplifies to

031=01032=01 033=0

Aswer

Step 01: For out ofe the Problem

Mill= 90+011/2(1)+3912/3 (+)+93 44(+)

+ an the (t) tais to(1)

where an are the coefficients for 4,146

Step-02' Setting UP the Equation

For n. (4);

At t= 0

71. CO) =000 + 011 4/W +012 B(T) +018 4/T)

faithe (1) + aro 4c (1) = for Given condition

\$ 1 = a 10 + 0 + 0 + 0 + 0 + 0

on 910=1

A++-1,

n. (T) = an 42 (T) tan 43 (T) + an 44 (T)
+ an 42 (T) + an 46 (T)

CHON

prost

or an tant act + act + act + act + act = 1

For x2(1) 200) East 251 (B(0) Fast (B) N2(H) = 200 + 051 A5 (L) +02344(0)+02445(0)+ + a25 46 = 0,20 Or As Per Gua Conditions, nill = write in Au

tass (2) + ass (4(4) tox 4200 +025 400) azo tazi [+ en]2+ en]3 tax14-taz=1

12tt 2021 + 022T + 3023T2+ 4024+3+5025 T=120T=1

Bu NBAR

+ as 4200+ as 460) = 30

641 M3 = a30 + 0+0+0+0+0

09 (2030

· : 03021

Step 032 Material & Materia

Donor Egri

Derofe: 41

		_
0	00000 10000 10000 12737478 12737478 12737478 12737478 12737478	N 0 1 1 1 1 1 1 1 1 1
	T +2 73 74 75	1 - 1
	/ Norts] ~
	•	

20

ND= JUBES (X) dt 4(4) JUB Sm (6(4)) of

%(f)= (f) (°c ≪ 9(4)=V(4)Sm(6(4)) U(t)=at)

o(t)=w(t)

Step-01'

Green

えけしとしているのは

or Sin(+) dt = Su(+) cas (e(+)) dt

on well of = Inthos pat

らんしてのの からられたりしかという のいろはいことはいうなど

が用= 事= 幸 (を)を (金)を)を)をしまる。

= v(t) cos (e(t))

(4) 200 = (A U 20

= v(£) sh(q(£))

on v(6) = 4(+)

Dr booth to

Det In Pythagory theorem

1(4) = \frac{1}{12(4)}

Should

Step-01 Deline the Frojectory Polyroperials

n(f)= actacttazt2 +ast3

4 (+)= 60+61+62+6313

V(+)= 00+0+

O(t) = do +dit

Step-03, Solve the collect for

- Motor

Formolding the Mater for x (1):

00, 20=0

2 a 0 + 9115 + 02 (5)2 + 03 (5)3=5

on 0 +15a1+, == 5

700-3

Step-02. APRY Inhole

Orla

Fred Conditions

OFORNED and 4(A):

N(0)=0 1 20 0 (0)=0,

W(12)=2 / M(12)=2

2(0)=0 41(0)=0

2/(12)=0 | 4/(12)=0

\$\$ (4) 5 O(4)

UCO) =0-5, KC)=03

的=至10亿产

confirm the systemine can conclude to Matry

$$\begin{bmatrix} 225 & 3375 \end{bmatrix} \begin{bmatrix} a_2 \\ a_3 \end{bmatrix} = \begin{bmatrix} 5 \\ 0 \end{bmatrix}$$

$$ox \left(\frac{x}{x} \right) = \left(\frac{x-67}{6^{3}} \right)$$