gods ex coshta e tex iky eitt e iko T= f(x). Muldiply (4) by h: THE CHANGE (STO HOLD) 3 + 2 For han (jorda) + k2 you c) =0 9. Mot c - k nxs + m2 (-k & 6 2) (o) 5 yodi) -= \frac{1}{2} \frac{1}{5} \land \Ox\(\int_0^2 \gamma_1 \dx'\)^2 \frac{1}{3} \gamma_1 \tau_2 \frac{1}{3} \quad\tau_2 \f Mxs = Sinkx nxdx = - coskx nxdx + 7 Scoskx nxdx Took my = t (yx(o,t) - yk xxxx) So, -kyx = - | coskx ym dx = - yax c. the. Mxs= losinke Mxdx = sinkx Mx lo- k loskx Mx do. .9554me 72 > 69. Vu = Vu b; (w) 2 vuitur z -k mje d. - kyn s = ek2 yck D.) vu' = uv | - Jus

 - K th gad = -k / sink 360 do - 16 = k Jo sinkx 2x (Nortdx)2) dx en = k & sinkx (15 ydd) = + keoskx Jocoskx (jydi) dx.

= - k Fell modx'). J

In Fo

Only Costne - Transfams:

9+1 2 + 12 my + 2 (-kF \ 2+ (m) modif) + 12 For (mode) + 12 Tologo mode) + 12 Tologo mode) + 12 Tologo mode)

Introduce: T=fA) 3. \$ = d = f'A) d, \frac{1}{12} = f'A) d + f'A) \frac{1}{17}.

BORR pick Telitax. In 5(2):

M++ + 12 m = 0 (3) MTT + m =0.

(D) y = f, (D) sin T + f2(k) 505 T.

& Second Order approprimation.

M= 70 + 27, (2) M= M0 +271.

yott + & Min + 12 (Mo + am) -

plak for to avoid seemlarity.

Moto + k2 M6 20 O(E). Met + k2 mi=+ kf 22 (m.) got da) + 22 * k2 F { ([" y d x)") * 2 7 7000 let T= &it2x D. MoTT & MoTT & Mo=0. 30 = & file sin T+ fe(E) EDST. d= f'6) d= kd= 12, dT Mot = 12. 8 Mot Mot = Knot dis mk2 dis. Matt + k2/1 = 12 mitt + k2m/1 , * & Decores: MITT + YII F & Moso 424 is mor dx. J - + F { (] i Qx Mor dx) 2 - + 2 Morr MITT + MI = F / 1709 MOT 9 - T F /- & MOT 9 - 13 MOTE 2 Himomor J. 2 z Fhingonor + 7 Mor g - K non h2 Mo = Morr Morr = 7,00)-f, sin T+ f2 cost. = 3/1- %. = & himomos + + mon 3+ 12 mon 2 F (= 24/3) + = 70T + = 70xx) The those of the Marie

To, we obtain $M_{TTT} + M_{\pm} = F \left(\frac{1}{2} 2_{T} \left(M_{0}^{2} \right) \cdot \frac{1}{2} M_{0T}^{2} + \frac{1}{3} M_{0K} \right)$ The general solution: $\hat{\eta}_{+} = F_{+}(k) \sin T_{+} F_{2}(k) \cos S$ discipation.

The partial of solution. m= = 363).