k. Edu.

09/07/2018

Np (1, t, T) = [(T | T | T + t - (n + 1)) n dn + 2 T] Bn ds

Had assumed: $\overline{\Sigma_r} = \frac{1}{r}(\overline{x})$, $n = \frac{1}{r}(\rho_i t)$, $\rho \in \overline{\Omega}$

(2) $\frac{\partial n}{\partial t}$, $v = -\beta$ on $M_7 = \partial_1 \Omega_7$ (letter told $\beta = H_{M_7}$)

(1) k (2) uper. of \(\nable \tau \cdot \nable \).

Assure mo but of sais fis:

(a) $(a_t + \Delta) f = |\nabla f|^2 + \frac{\alpha + 1}{2\tau}, \frac{\partial \tau}{\partial t} = 1$

Sit dh = 2h + Th. In = 3h - Tt. Eh. Do

 $\frac{df}{dt} = \frac{\partial f}{\partial t} - |\nabla f|^2.$

 $\Rightarrow \bigcirc (\underline{d} + \Delta) f = \frac{h+1}{27} (5).$

 P_{m} · $\frac{dt}{dt} = -1$, we conclude · $(\frac{3}{34} + \Delta)_{m} = 0$

Alle, $\frac{d}{dt} dn = z dN \left(\frac{3n}{3t}\right) dn$.

 $\frac{d}{dx} \left(n dn \right) = \left[\left(\frac{\partial}{\partial r} + \Delta \right) n \right] dn = 0$

of In molep of to.

vf.v=B ~ 2r →. Wp(x, t, t)= J wn. - 17 with $W = \tau (2\Delta f - 10f|^2) + f - (m+1).$ Rerelan colulard in ch ?. (peren I). (d + D) wand anduded (for on whiten)

d wp (st, +(+), +(+)) =2: = 2 T(4) \[\frac{1}{27(4)} - \frac{1}{27(4)} \rangle^2 \gamma(4) \dn. - Su Vw.v.u.

luma on M, 2 Two ? - Vw. v = . 2t (3b - 2 Vmp. Vm + + An (vm+, vm+) - 13

leng I(v) = 3H + 20m+ H. v + Ant (v, v). , V thyur t.M.

Hundh: Hundh ineg. fr. MCF. (corress, clard. bl=s).

Z(N) + # > 0. YT>0 on Und wes. MCF m

"=" m. Lunden. exp. solis.

Ev. 2(v) = H = 0 an honit. Shrishi sht.

$$\frac{dt}{dt} = -\Delta t + \frac{(n+1)}{2\pi} + \frac{1}{2} + \frac{(n+1)}{2} = -2\pi \Delta t + \frac{(n+1)}{2\pi} = -2\pi \Delta t + \frac$$

$$\frac{\partial n}{\partial t} \cdot v = -\beta$$
, $\frac{\partial n}{\partial t} = -\nabla f(n_1 t)$, $\nabla f \cdot v = \beta m M_7$.

We some bust week:

TW. N=-T(27df, v+0/7f/2,v)+Vf.v. $\nabla |\nabla t|^2 \cdot \nabla = 2 \nabla^2 f(\nabla t, \tau)$. theo, $\nabla \frac{dt}{dt} \cdot v = \frac{d}{dt} \nabla f \cdot v - \nabla^2 f (\nabla f, v)$. ~> VW.N = -7 (20dt. N+2 Vf(V4,N)+B. (Lby it) (Thu & RF due to lezza): Represente de la $(\frac{2}{24}+\Delta)f=|\nabla f|^2+\frac{n+1}{27(3)}, \frac{d7}{d4}=1$ (SE(tE,t), & mull). The Se(t-E,t), & n A, u(s) dn = 1 HS & t. Se (t-E,t), & n d Wy, (As, f(s), 7(s)) >0. (me hue botta). Thu, Muma (she, t(h))> Mitme, (sh, t(t)). 丁之九之九之0. H fix to < T, let to be a min- fr Munio (225, T(to))

and flet soft of the texts. with their fto.

4

 $\Rightarrow \mathcal{N}_{H_{n_{t}}}(\Omega_{+}, f(t), \tau(t)) \in \mathcal{N}_{H_{n_{t_{0}}}}(\Omega_{t_{0}}, f(t_{0}), \tau(t_{0})).$ gto minimo. = MAMU (Sto, T(to)). MHM. (St., TH). (Some this is in the admissible elms. t < to). Set to= t2, t= t, () MHMi (St,, T(t)) { MHM1 (St,, T(t))} En (See Perelin : Ilms where xate bond). Apply alme on a= v2++, + < t, + < t, + < t.

+, =+. ひゃくが、tくが、pm, M. Hm. (so, x2+t) < MHM, (st, x2).

3)

and + 27. tum. 2+ + < 27. r2 5 T M#nolso, 2++) > - co(n, so, 1).> - 00. fun had deputer on by - whole. -6(n, so, mo, T) & MHn, (se, 2). < ly ([12+ (2)) + ((n) (12+1 br/20) 1+22 (141)

1 St (1 Br/2 (20)). see helm.

Sk=k(co,ci)>0 N+2T, V×ST. A 25+ . [2+ UBr(nw) > + . o(~, +, no) 30,