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(In the Example Change of the g to solverved friends (200m)

ficted?

if we how rule,

we would be able to depthe Man the Conjudent of stilling) houfily known cosup+rdenu... in also purile w/ linea solination 42 Stale => membre of glory

of minilative =) - Moran des compare - Regula Remofarmitions MEN FINDS (MMMby, Coll in 1) flom Jamien Ax = (Ax Ay A7 Ad, day Sdz; AA)

AR log A

When A=1, log 1 > AD=0 formeton / may by Jelenson · M = gratitaide  $X = w2s (\Delta_{\lambda})$ · R3- hunder · ut- wild

perturbation vertor and be in a way that if it in Dand apply to one element of the minifold X D Dx=X in and nuffing will

bo log (A) When identity

( is 1)

would thick in manifold When s=p => \( \Delta \) so while be (identity mates) as supposed to Desinener → rejuit points 26/R3 A lid

(x) = 1 [Rp [i] + f] => worker => Report Frank  $\mathcal{L}^{(i)}(X \boxplus \Delta x) = exp(\Delta x) \cdot \left( \mathcal{R}(\alpha) \cdot n \cdot \left[ \mathcal{R}_{\rho}^{(i)} + t \right] + \Delta t \right)$ 

pudschion funtin for the rimilarly domain  $e^{iJ(x \oplus Ax)}$ Other anatis?

Model: North in 30 space

Le sin Alu cre El
not. phillem
[menunt 46 ou lilem]

Mohm = inthe exercise

Minilation = in the dementation that hours

damping - got the water to conclude a lit lit document of the second to the literate conditions

of this every to men up deficient conditions

Sta: position would win to hold Olnumen = direction Victors. V being-andy lytherlyn > NOLMALEZED VECTOR general whom of Camula Problems do not an El opertal (for now / initially) Map 52 in 123/ CAN BÉ USOR POR NORMWOOD SUNCTION

$$|e^{ii} \leftarrow l^{ii}(x^*) - z^{ii}|$$

URATE THE ELTERNED WETH THE PERTURBITION

$$X^* \leftarrow X^* + \Delta X$$

$$= \begin{bmatrix} R(\Delta A) & \Delta A \\ \emptyset & L \end{bmatrix} \begin{bmatrix} R & A \\ \emptyset & L \end{bmatrix} = \begin{bmatrix} R & A \\ 0 & L \end{bmatrix}$$

$$\begin{bmatrix} R(\omega) \cdot R & R(\omega) t + \omega t \\ \emptyset & 1 \end{bmatrix} = \begin{bmatrix} R(\Delta x) \cdot R & R(\Delta x) \cdot t + \Delta t \end{bmatrix}$$

## MEASUREMENTS:

the way filither in terms of luly being embelow !

## MARTIPOLD LONG SAMES

## Methodology:

1. State domin X

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· define endideum plum tirtien for the pataletin

· chifine boxpulus & specter

2. Hermenent spile 2

· salify domin

· define enlisher pour activities for the sutablisher

· defin loxminno & opalita

3. Identify peediction function ((x)

4. Define elles fundin e(x)



- inded, we work above a distribute.

Is misulenest 2 · (x, y, 3) T & S - MANORA

(Sphile)  $h\left(\chi^*\right) = Mon \left( l_{\mathfrak{D}, \text{tof}} \left(\chi^*\right) \right)$ Z= (x & s) [e] 2 markin (y) = \frac{\frac{\frac{\frac{\frac{\frac{2}{\frac{2}{\frac{2}{\frac{\frac{2}{\frac{\frac{2}{\frac{\frac{2}{\frac{\frac{2}{\frac{\frac{2}{\frac{\frac{2}{\frac{2}{\frac{\frac{2}{\frac{\frac{2}{\frac{2}{\frac{\frac{2}{\finn}}}}}}}}}}}}}}}}}}}}}}}}}}}} } 2, = 2 = (0, d) Viso, Exp (X\* Bax) = R(Da) . Rp EJ + R(Da) + + At White engle on a trimble and = R(ad) p (1) + AXX 1 strophytime (vandation): - constant - soldier and R(2) = R(0) R(4) - computer establish making for both 2, and 22 (4 -10 Ø 10 (0 Ø 10 Ø 1 - compute the with difference on R2 R1
- extract = 2 muth an diction from solution difference 0 = - atom 2 (91 , 12) f=-atm ) ( 831, 1 33) 2 ALTERNATIVE (STAPITED): that & on enclidean  $\frac{\partial \sqrt{N^{T}N}}{N} = \left( R^{T}N \right)^{2} \frac{1}{2} \frac{1}{\sqrt{N^{T}N}}$ = 2. NT 2 1/N | NN |  $e^{\text{ti}}(x) \cdot L^{\text{ci}}(x) - Z^{\text{ci}}$ L [1](x) = Molaneline (Rp [1] + t)

$$\int_{0}^{\infty} \int_{0}^{\infty} \left( \times \mathbb{H} \Delta x \right) = \text{Addendia} \left( R(\Delta d) \stackrel{\circ}{\rho}^{(1)} + \Delta t \right)$$

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