lect Parmally, 1et pen 3:82 mpg. We want TpM Dell IBW = of Enry 42) re In Or]] (M, fe, v) ~ (up, vp, w) 18 DIBE (48(D)) (m) = (DE/B)(48(D)) (M)=1 where TEN = Pao 42' (where det) Def Equir 1 mess C(+): (- 6,6) - M Call C~3 C(0) = 6 c 9:45 04 0 i€ "C'(0) = 9,(0), € is for one (home creat) (1) 9CHJ: C-2,57 -M 9(D) = b < 9/6 49 (ux, ex) Q o C : (-€, €) → Pr } (Q o C)'(0) = (Q 0 8)'(0) 30W-2501 c different o) C:(-E,C) -> M E(0)=P Claim) TAM has a rector space structure A, B ETPM if Ux, Va cond chart, Aus ve Tean Rr Bas weTean Rr A-B: = v-w & TBOD P A CTOBOD BU conferring coord evert > Bas mi etas (2) EN [[w+1] = [(w+11)] (2TBM) P(0) (V1+W1) = (2TBM) (V) + (2TBM) (W) = V+W

