Teltitles noi: \$ # & 6 R1, \$: it > R, m=1,..., n-1, g: it > RM [g=0]:=[}ed:g()=0], c:e&=0] D) f-rel a 8=0 fettethe c-ben felt. red-e van. La f/8003 ral is. Implicit h: c=(a,b) elg=0} & 3KG), K(b), dx EKG : 3! yEK(b): g(x,y) =0. He det 82 g(c) #0, aller 36 ingl. pr. 8 ECT as \$ (a) = - (2 g(x,00)) = 2g(x,00) = 2g(x,00) DElronado milreges felt: \$94.00 y.4, \$:4. \$:4. \$ 60, 9:4. 860, colo 0). A-rel van e c-ben 8=0-ra vongthoris pet. ori-e; gradge(e),..., gradge(e) l'a spette. Eller: = 7 = (\lambda_1,...,\lambda_m) & Rm: god f(c) + \frac{7}{2} & md \(\xi_1, \lambda_1, \lambda_1 \) - \(\lambda_1 = 0. \) 4) \$ \$ = \$ + \frac{7}{2} \land 18: 6) \(\lambda_1, \lambda_n: \lagrange \tale \) mother (\lambda_1) \(\frac{1}{2} \) \ Delardunde + bigriges tell: 0 +UCR gill, t: U > R, \$ g: U > R, Age C2, ce [g=0] grad go(i),..., grad go(c) lin. fgetleral, $\lambda \in \mathbb{R}^n$, $f_{\lambda}(c) = 0$ e's Q_{λ} fethelized positive [regative] definit. (also ($Q_{\lambda}(x) = \langle f_{\lambda}'(c) \cdot x, x \rangle$, pos. defi # 0 \$ $x \in \{\mathbb{R}^{\lambda} | g(c) \cdot x = 0\}$ Eller find chen goofelt. re felt. lot. minum [maximus] un (2/4) >0) Marodrendis subsiges fet.: elore forditon: he Flor. su'., abler an secialificit Superilità differentet: 1,7 CR gill int. g: 1 > 1R, h:7 > 1R, gihec, +x € } : 10 + 0 . Hat. my (0 : 1 -> > fo-t, ha : | Dog! It intervalen | 4ED | +xEDp: 4'(x) = g(x) h(40) | TEDp, } E7 add, O(E)=} Egalt diffequelet: 1,7 CRyit, s.h. 1x7 >R, g.hEC, h(xy) to, herd et A'l prot. 3F: 1x7 + R: F & D, F'= (god F) = (g, h). Eller (61+) + 44. | De gilt int. | 4 = 0 | + x = De: 6(x) = - 8(x, 40) Linearis differentet: [CR y.14, g,h: 1>R, g,hEC, p:1-12, p=? $|\mathcal{D}_{\varphi} \mathcal{G}_{\beta}^{(l)}| = 1$ int. $|\mathcal{Q} \in \mathcal{D}| \forall x \in \mathcal{D}_{\varphi} \cdot \delta(x) = g(x) \varphi(x) + h(x)$

Modra: partikalaris negoldés, d'undél saniolars

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Lineanis diffequenter rendonant: OKNEN, ICR yill it., the U=?
  ait: 1->R, axEC (if : 1,..., 1) ; A = (aix)is : 1 > 12 1 b: 1>12 beC
  Do yit int. | WED | + x & Do: (x) = A(x) O(x) + S(x) | O(x) = 3, 2 & 1, 3 & 2
  Mh := { φ:1 > R : Φ ∈ D & φ' = A φ }
  M:= {4: 1>R" : 4 ED e; 4'= AQ+ b}
D-Mh n dimension selfortes
        - + Y E M : 4 = 4 + Mh
       - leggen P1..., P 6 My baris (alapsendores), eller 3 gri..., gn: 1->R: gri..., gn ED
         "> V := Ž 0€ 0€ € H.
M) - alapan'tix: $ := [41,..., 4n] : 1 > Rhxn ; Mh = { 4.c : cer]
        -V= Q.8 > W' = Q8+Q8' = AB7+ Q8' = AB8+6 = Q8'=6
DP(x) = elix to abjundment albertal (x61, 2:1,-1)
           and he rajetistite, to rejetuelton A-ral. (Ata= heta)
  May as a brender all MANAMARINA lines is diffequencet:
  Copin ocnew. ICIR 7: " mt., MMM ao. ..., an. ... C: 1-> R folytones de l'april 0 cn ? | De gill int. | 0 cD / + x & Do: 4(x) = a (x) (x) (x) = c x |
   TEI, 3, ..., 3, + R, Tedo, P(t) - 34 (1=0,..., n-1)
1 My = { \( 1 \rightarrow R : \( \in \in \) \( \frac{1}{2} \quad \( \frac{1}{2} \rightarrow \frac{1}{2} \quad \quad \( \frac{1}{2} \rightarrow \frac{1}{2} \quad \quad \quad \( \frac{1}{2} \rightarrow \frac{1}{2} \quad \
 M:= {φ: 1>R: Φ∈0° es φ(1) 11 €=0 (1) = c }

-Mn n-direntis Crusis tel ξ=0
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- ty EA: M = 4 + Mh - Legar Paring On & My baris, elle 3 garage: 1>R Liftet: V= = 7 g. g. e. E.M.