23/02/2015. E. Wilm. 1-D loalisalin Goal: Show to pure voim endyric/geometric acquelibres by reduction to I-d and your. Fulidi folur words. [???] Donne what's up. Example front. OT: M1, M2 << heb. on Ti, S12 i dp; 200. W? (M, 1/2)= min Tro (M2)=M2) |Tn-n|2 dysin) Breview map Treatises this min uniquely. (Mo-4.e.).
Characterised by T= JP, Y: TR JR convex. Milan 197 : Me = [(1-t)]d + t-T] x (Mo), 2t = dfut dn, unkrjulation along I-dien transfort gride.

po pt.

ply is, in fant, the gentlere blu Mond M. in Wz.

Left [E(2)= [n(2) dn. in culled diglacement covers
if [0,17 >t | > E(4) in ways Mo, M. Kheb.

(1)

McCann Chandrischi! Enrych to thech displacement coverety
When burfin imfinitesimel widin the clouds which amount to chedin Jacobian. of Tt. "Ind reduction" Take thin as a muciple. The (borell / Brus comp-hich' 76). het gr= Pf(n) dn in M? NE (-0,0) U[n,0], TFAE: (I) (N-n)2pt-n. is invene on its convex gt. Kenn (I) A+b= {a+b: uch be B},

(I) N=n => 4=1, M=hb (Brown-Modernsha)_ (III) N= 20, Prekopá-herdler, M((-t)A+tB) = M(A) M(B). (IV) po <0 ineq. ore merested. 14 (I) => (I); un. A= n+B(a2), B= y+ B(b.E), tale 600 and oftenire on a, 570 (I) => (II): home for NZN. had T= 54 her the borenier map for Mo = Yo M - Ao · M. = Y.M. Mt = (Tt), (Me) Yt = dut . brop 1: 8hm row claim feller for diplacement arrayity of t H Evt, (M+(M)) = - JYTH du. [Hint: Yo = NA , 4, = NB].

2

(1-1) A++B> Gt (M4). Nhe Turn's inequality to M (get (Mx)) = - Ent (Me/y). Show that (gelan dula) = (Jelan 10 mg. Hep 2: Reduces to 1-d analysis, ie, that. the Ji(n) in lancave. J' geometre jacohin. $\mathcal{J}_{4}(n) = \mathcal{J}_{4}^{G}(u) \mathcal{J}_{4}^{W}(n).$ I'm waghed jawhian. [F4(2) is the Sacolon of T4(2)=(1-t) x 174 2-7-4 pl]. $5_{t}^{q}(n)=\det\left((1-t)Id+4t\nabla^{2}\varphi\right)$ $\frac{\int_{+}^{W}(n)^{2}}{2(n)} = \frac{2(7_{1}(n))}{2(n)}$ (Jack) j'n. avenu. he/c. det is concorn in pos. lef. maricos. $\left(\mathcal{J}_{t}^{W}(n)\right)^{\frac{1}{W-n}}$ Censery. Les ussemples — In Censery in Indormal. and then by Hiller of(n) is rememe. 1-D loalient Seature (M,9) knooth, annested Roin ufld. induced graduic drawn dln,4)= inf { [interpolate; r(a)=n; r(b)=y}.

(3)

grodenally comp. Dent mining grodene comain nady ingele May= 2/byd Tyln) Fulm. 20 nd cutimm, 1g= volum for Idagi, da, ... dan. Det. M= Ja Mx tu (x) in culled a disintegration of M. (1) (1, F, v) implier neure yare. 1 V heb nemala AEM (a) A Da Ha (A) is defined Y-a-e. and a F-meannable. (b) m(A) = \(\int_{\Lambda} \mu_{\lambda} (A) dw (a). Ref 1-d. boulins of M is a distribution of = In Mx dr(x). A.t. FA.CA. Min. V(A)Ao) s.t. O YXEAO, Mx is a "I-d" needle, is fited on a distance minimising greatent of Lx: Lx: PM. $M_{\infty}(A \cap \gamma_{\alpha}) = \mu_{\alpha}(A).$ Mx(AII701) = Mx(A).

2) Syrxsucho one disjunt. Talland. (4) Def= het fei(m) [fdy=0. A 2-d boarlisain is called & halamed if V v-a-e, & If dylx = 0. Thuch a thing in problem dependent, med extremely [IT Reduction of Apa-type were to 1-d: Want M((1-t) A + tB) = f(MA), M/B); t, J(A,B)). F(V,V2, L,J). henogens i (V,V2) ud nomtone in J. (1-t) A ++ 8: } ZcA: IreA, ZyeB.

d(n,y): d(z,z) = d(z,y) Given. A, BCM, 2t &= 2/2 - 20/ Styr=0. het pr= [madv(a) f-helanced localisation. If Mx ((1-+ KANYa) ++ BAYa) >> F(Mx (ANTa), Ma (BNTa), +, F(ANTa, BNTa)). = - Ma(ANTa) + (MA; MB), L, d (A,B)) If dy = 0 mal = ma(b) -+ Anomogeneset.

(5)

Since (1-t) A + (B) . U (1-t) (A) 8). + 1 (B) 8 a).

Ind only additions of mum.

M () S. M () .

S. M () .

M ((1-t)(A) 8 a). + 1 (B) 8 a)) dv(a).

F (M (A), M (B), t, J (A, B)). (Ma (A) dv(a) a).

J-d output