"The splitting theorem". (M, y) (20, complete, hoczo, certain n. line, then M=N×R, N hairing

In pt, while all muchons one the same,

M2 = Rx R or IR xs', become Riche o miens
it dust have saddle points.

About yhithy: (Mg) lum, hicz-& earling feoderic of length L, e, L'1<<1, then a hig partir of M is mGH.

Can apply the to spain with his 2 Mg, become, but seed in the wild mp, suy, by a love fur, but how, but the spaint of the spaint of the spaint of the spaint.

Corolling: Splithin for limit grows: (X,d,m) pm (qt lemit runform) pl. wh hac (mn) 2-En, En >0, X alimin a hand. line => Splits off or factor PR.

pmGH consigence >> so Mn must certain long geodines b/c. X contin a line. frinted mGH

 $\widehat{(l)}$

the (G. 13) (X,d,m) & RCD*(0,N). conting a line. Then I (x',d', m') much that. (X,d,m) isometrice. to (x/xiR, d'odend, m'x l'). (dodene) ('(x',t), (4',s))2= d(x',4')2+.14-s)2. (E)N >2., then. (x',d',m') in RCO(0,N-1). (II) NE[1,2), X' vontins only a point. H. Vin Brucom Prihas. But un Bochen identhe ir Hessin, de ver requelity, ad. a Vb. Vf = . Vb. AVf. and. From The multiple, Mis is only rated to/c work in ReD*. In send metric space, W12 is not sich emph to encode toff Geometri. Infinition about the space. c'ad run organer in & wathin. (2) Mare. Ie,. I bt af (4) du = I b+ ev. brallowns v, m nd F transpir! (See ploch). but we are let $\mu \rightarrow 8n$, $\nu \rightarrow 8n$, the obtains i finale downstains. The (kesterer 13). (x,dx,mx) mm. gene, (Y, dr, my) N- une - TFA E. ⇒ (xydx, mx) € RCO* (N-1, N). -> (Y, dy, my) ERCOM (O, N+1). Ruch la general, carical Argunlanty is typological not geometric. Ile, if the films we had. Je, M= (bot allud in prov) the time unitable fort is very bad. Diff to M= S". — Iam interpas graph of hip Rudom, Co an rune for hymlity to trebic. think. Typically comical span we not himits of ReD! Ohring Mash is, by muching there Carical point.

(3)