- Isoperimetric inequality for 29/08/2016. mom. Epaces. I so perimety: Civen X , when is minimal over needed to. evelud a fixed volume v>0. Existence optimal hori-former. (M,9) hizozhog, h.Zo.
ECM in bolly DE. Non. 18E1 2. 10B1 LGT. (X,d,m), unter Minshauthi Lomert:

M'(E) = limint m(E) - m(E), E= {ne d(n,E) <s}

Riod E. TSpinionic. puple I(p,d,m) ! [0,1] -> Pt. layet India s.t. me (E) & Z(B,d,m) (m(E)). YECX. [(x,d,m) (v) = 1m) {m+ (€): m(€)=v}. Claric nephro:

I (M, da, ml/mini) > I(sn, clsn, ml/ml (sh)).

COD (K,N,O): My Cot (m) CD Inc & geodenically

· Aig, F, N - Rig - (N-n) Thin > hg.

Milnon: KEIR, N, N>U, J. IL, N, D. S.f. Im, g, m > Iu, N, D.

The (C. - Mondan 15). (A), m) & COLOC (K, N), and es. non-handing, then La(Midney) in holds.
LG Milman) iso ineq. helds.

Method of Pt Go from n-dim problem to 1-dim problem.

Payre-Weinburger 160: $k \in \mathbb{R}^2$ bold, open, convert, for $C'(k,\mathbb{R})$. $\int_{\mathbb{R}} f^2 = 0 \Rightarrow \int_{\mathbb{R}} f^2 \leq \frac{dianlkl^2}{\pi^2} \int_{\mathbb{R}} |\nabla f|^2 \cdot \int_{\mathbb{R}} f^2 dianlkl^2.$

Find hyperfure ACIRM. S.t. Steen to Short to Sure the hort to hort to hort to hort to hort to hort the the first than the partitions.

Gronon-V. Milson. (87): Isopennetic Inequality.

Kannon-horacoz-Simonovit ('95): For fundion th.

1-d loalism. for while: Klevetag (44) using L'-OT.

The Midim) & CO(K,N) Comos Leinamia. If dm=0.

I {Ma}_{aca} pun of M. Salithis localisan preparies.

M(A) = S ma(A) q(a) q menne over Q

Loole if up butulis propers.

The Simila for cowelk, N) < C. Madino 15.