Ni ala Gigli heche 3

25/02/2015.

W12 Helbuy co - 2 and flow lonen.

E(f) = 2 5 108° den fatisfin polenisati ichety.

JE(f) is direct in A.

· Hant the as EVI'm gradient flux of the europ.

6 -> Pt M = & ME.

and for Easy \$h + -> 2 w2 (14, 2) -

the start m (pi) and for the sichy!

The Rajah 12: X, compet CO(k, ) p, v & S(x). A.t. M, VECM. The FM A.t. MEC'ON YEECO, MJ end ( ). Endin (ME) K-covers.

The (Mehre Brenier The) (Amburine, G., Samé.).

M+ goodine, M+ Sem H+ G[0,4], R+ P(c(G,1], x)).
a liter of M+ and Y kanterovich pot. The A. represents the goder of -4.

Dirmh. of Entra (No).

Story gudenz for Rijala's the, 4 Kanturovan pot.

8hm. limit Eurn(vi)-Eurn(vo). z - Styrtefolm. =- System. A.Cr.S. 111: A 12 (ple, v) & de le-otenton (ve,s). < Entin(N) - Entin(Mr) + KN2(Me, V) and who , convactivity: (Mr), (v2) C P(X) heat flows, W2 (μ,ν,) ε e<sup>2ht</sup> W2 (μο,νο). So, we get but kund + Sommion whom. It rondinar, manighers ble you can say anything what sum of heat flow M+ V4. Bedim megatity Smooth cone:  $\triangle \frac{|\nabla f|^2}{2} \ge .$ VP. VAT + K. |VPI2 (+ (AR)2) hut were on N=20 Cothi terres U. The (kurade 109.). het H: P(x) -> P(x) - hur for in measure. and ly: L' >L' for clarities. The  $W_2^2(H_t(\mu), H_t(\nu)) \leq e^{-2kt}W_2^2(\mu, \nu)$ ₩≥0, μ, v ∈ P(x). lip (half)) & e 2kt ha (lip2(f)) Vt20, f: X -> R hipschitz lip(f) in) == lim inf 1/m - fly)1
y+n. 1/m, 1)

· Salah IP(X) (152 dene in W'12, So, we no 10hoff) |2 = -2kt hot (10fl2). Yozo, few (x). ad this give J Ag 10f1 dm. ≥ . S(VR. VAF. + KlOf12)g dm. HRE W112(X) ODA)., Af EW112(X), GELX(X) ODA) Also correr for Bochun to ReD(4,00). For NXX, on RCOM(k,N) (define him as fulm). 1 dg 1981 dm > f (ART + DR. VAR + KIDF12) gdm. · Get hi-You of hipsolate regularly for Hammic maps. Optimel ungs: (x,d,m) E RCO(x,N)., M, v eO(x), Mecon. · I only me ophind plus o plan onlied by T. · prace. no Foly a single geodenie v for n to T (4) , p-a-c nfy.

Distribution haplacion

Fryst RCD, assure (X,d,m) infinitesimally stilhestran, doubly lyon, sicx on, gesc(s).

160(A,s) 7 shull mane b.

Sagam = fg.dp. Ag=M.

· Gret. himmy, , product, chair rule. The Co. Madrie.

(A,d,m) M. Hil. + dull + 2-parene.  $SL(X), GES^{2}(SI)$ . TFAF.  $\int_{\mathbb{R}^{2}} \mathcal{D}(\Lambda, \Lambda) \quad \Delta g \leq 0.$   $V \in L_{\mathbb{R}}(\Lambda), \quad f \geq 0.$   $\int_{\mathbb{R}^{2}} |D(g + f)|^{2} \, dm.$ In  $|D(g + f)|^{2} \, dm.$ Enler heighnige in ner-smule. Amech- (mould finds in co (h, N) in grand. beylace Componin If of inquality relies in. en Pen. M. Arzo, dome N. Azde (o, in) & N. m dissibility of some. hosphu improm fording.

himsty y hap.

bleak was principle. Swinfud in RCO(4,N). Some bulds f-RCD\*(O,N). · Abords - Cornell myslus . Looker from his from his form which from his form which for the form his fo