Dave Hytonen. 09/06/2015. Bric pollen/setup. Gira of on Da=Pan, find nin n= Rt 1.t. "n /2" = f Ex. n(n,t)= (n-y)f(y) dy. P+ h)= cn the+hop)2. if felam) 1>>. $A \rightarrow 0$. The n(n,t) \longrightarrow $\begin{cases} f(n) \\ 0 \end{cases}$ + > > . $\lim_{\substack{q \to 0 \\ n \to \infty}} n(n, 2) - n(n, R) = -\int_0^\infty q n(n, t) dt.$

(A) Mapin: Jo 12, n(n, t) | dt /20.

11 Jo + 12, n(n, t) | dt 112 = 11 + 112. FALSE

Reality: (Little mood-Paley).

([[] t 2 n (r, t) | 2 dt) 2 | [p (R n) 2 | | + | p (R n) 2 | | + | p (R n) 2 | | + | p (R n) 2 | | + | p (R n) 2 | | + | p (R n) 2 | | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + | p (R n) 2 | + |

Ex. "Dyadic Poisson est" WQ = Q > (\(\frac{1}{2} \) (\(\frac{1}{2} R= V wa. Al Jule = It & - where on Q. $f(n) = \sum_{Q \ni n} \left[\langle f \rangle_{Q} - \langle f \rangle_{Q^{2}} \right].$ $f(n) = \sum_{Q \ni n} \left[\langle f \rangle_{Q} - \langle f \rangle_{Q^{2}} \right] \cdot \chi_{Q^{2}} \int_{Q^{2}} \frac{1}{2} \chi_{Q^{2}} \int_{Q^{2}} \chi_{Q^{2}} \int_{Q^{2}} \chi_{Q^{2}} \chi_{Q^{2}} \chi_{Q^{2}} \int_{Q^{2}} \chi_{Q^{2}} \chi_{Q^{2}} \chi_{Q^{2}} \int_{Q^{2}} \chi_{Q^{2}} \chi_{$ 36 / 1 2 / (PRO - (PRO) ROIN) 1/2 . 5 11 41/2. 1 1 2 1 (PRO - (PRO) ROIN) 1/2 . 5 11 41/2. 1 1 2 1 (PRO - (PRO) ROIN) 1/2 . 5 11 41/2. Liple 2° run is smaller for little 1' sum. This is but so appoint in (2) At version. End point, p= 00, A & BMO, hp. to [14-20/6] = 14/18/10 (00

M= Poisson ext.

(2)

 $\| \omega f \left(\frac{1}{161} \iint_{G} |f \nabla n(s,t)|^{2} \frac{dydt}{t} \right)^{\frac{1}{2}} \|_{L^{\infty}(\mathbb{R}^{n},dn)} \simeq \|f\|_{BMO}$ The (Varapoulous 77-78). I av extern in At. | up 101 SS + 101 St us | 10. 2 Hell Bro. (and to the trail day day of 18 18 Beno) There may grapher on sind romagnetion? The Baffell, 1<pex, Fest. n. s.t. Mc(IONI) Mip & Attle Cp(n)=. up to I d/p/(y,t) and in purioush. HEL, NEX, if N=APrice not of f, hm = Ivai Ph. Sulstin. Nothern) (2) = mp // Wa - 21/Wall (11 N/v-n)1/p & E11 41/p. $\left(C_{\ell} \leq c \cdot \frac{1}{\ell}\right)$ M. Ca(1011)//05. CE 11-81120.