- hertre 3. (M,9) bolyless, dom=n. J-Agez = 1ez . 0 = 10 < 1 < 12 < ..., Seis o.n. $\chi_{\chi}f = \sum_{\lambda \in \mathbb{R}^{n}, \lambda + 1, \lambda} E_{\lambda}f(x) = \langle f, e_{\lambda} \rangle E_{\lambda}f(x)$ $|X_{p}f||_{L^{p}} \le \int_{1}^{\infty} |X_{p}f||_{L^{p}} = \int_{1}^{\infty} |X_{$ (In FIO'93 Book - Curret do hotter). & 36 f(R), S(G)=1, Sty 3 e (%,8). P= 1-Ag, 8(1-P)+=. Zi=0,8(1-n;) Eit. 3(2-Ai) & Smooth out indicator from. Fif(n)= ei(n) (fly)ei(n) dy. => S(n-P) (n,y)=. Z=0 S(1-1i) B(n) E(g).

113(4-b) 611 6 < C 2016) HAU 12. 11 (A+A2)+112.5 CA 11A112. $|x_3t|_{L^p} \leq c s^{(p)} ||t||_{L^p}$ 11+11p 5. c 25(0) 11+112. PH (=). MARKINE COSE THETHER. $\|g(x-p)f\|_{L^{2}}^{2} = \frac{2}{|z|} \|g(x-\lambda_{1})\|^{2} \|E_{1}f\|^{2} = \frac{1}{4} \|\chi_{[x,x+\epsilon]}\|f\|^{2}$ $\geq \frac{1}{4} \sum_{j=0}^{\infty} |g(x-\lambda_{j})|^{2} \|E_{j}f\|^{2} = \frac{1}{4} \|\chi_{[x,x+\epsilon]}\|f\|^{2}$ P(7-P)= 12 . J 3(t) eint ent dt. $n = e^{it} f = \Sigma_i e^{it\lambda_i} E_i f \left((\lambda_i + iP) n = 0 \right) n |_{t=0} = f.$ S(A-P)(n,y)= = = 58 S(x) eight (eight) (n,y) et. Handamard Parameters 1929: In small Ity had way fund, promotive for (eit P) (n,y). is you by $\left(\frac{-itP}{e^{t}}\right)(ny) = \int_{0}^{\infty} \frac{\partial n^{-1}}{\partial t} \alpha(t,n,y,0) e^{i\theta(dy(n,y)-t)} d\theta + \frac{4 \sin \theta t}{1}$ (22, 101) (1+101)

S(A-P) (n,y) = 1 (8) So ortaltiolog(n,y) -t) do dt.

horina. $g(\chi-P)(\chi,y) = \chi^{\frac{N-1}{2}} \int_{\mathcal{A}} (\chi,y) e^{i\chi dy} (\chi,y) + O(\chi^{-N}).$

When by(n,4) = 0 if dg(n,4) & [%,8], 13m, by (n, 4) 1 & Ca.

Con. 11x, 811 0 8 e 2 12 11811,2.

113(A-P)HL>12 = 0 (A=2).

If of horne : $dg(x,y) \notin [\%,8] \Rightarrow o(x^{\infty})$ i.b.p. in O.

Spo mt, A > I(t, n, y, 0) = g(t)a(t, n, y, 0). E I(R).

Kernel = 1° IF (1-0, n, y, o) of e i odg (m, n) do.

= eildg(n,y) \ \ = 重(-0,7,4) \ (1+分) = iods do. 因

20 erhinde Din comelly, 12 minul,

So only weed to Mm:

My fll R(noi) 118 (2-1) fl 2(noi). 11 fl 22

Tyf = 1 = 1 (eiady (n,y) by (n,y) + (4) dy. (on Exp map) $\Psi(n,y) = d_3(n,y)$ have Hers ma $\frac{\partial^2 u}{\partial n_i \partial y_i} = n-1$ (=> dinn dur) gæderies Y > Tx ((no,4) = Exo luperentare. = 93.1 2.914 (my) 8; 5 1 = 8 g = fij drivdn! her to principal curbus. Stein weller Hess much hope us alm and 40 pricipal Cerubrue as about: Il Ima eino bfini dulla < c i " Ithip. 1508 5 , ch = Nul b1. 0=2 = 2 (n+1) = 117 1 1 3 2 (mil) = 0 (2 2 2 (mil)) 2 Stant lane procedure notes for arbitres symbol P Sulvoling. principal another standard andition. But, diffant parametraix.

herry 3: Stirles.