my E(40) G PR

Talre 70 s.e. E[4] ETTE ud Johne (0+-L)4 = 0 m s f t>0 46) = 40 V4. V = 0 00 m 25, VtZ0.

de priulen, $\nabla 2^2 \cdot v = 0$ on $3 \cdot 1$.

We showed: it 25 is corres (22 EC2, Azr20) fun dt E(14) 30 AF >0

E(2(+)) < E(40) Yt20.

Non-optimal varian of My-boboler (Moldo, for my down)? an Anth Shall Solorle ented bulds.).

YETO, YUEC'(I) with Jayan = 1 Solc 10412 - 42442) dn = -c(n, cs(n)) - = Very montplans (hut sufficient for on pross) Col Gagliardo- Niranley: F(Cn,2) VWE C'(52) Ja Iw/ 7 mai & c (n, 2) Sa(10w/+1w/) mai. HYEC'(I) min Say27mi=1. Sa (E/Dipl - 42 long 42) mi = -c(n, (s(s)) - {. Show Sat Farm i would the 2(48) J. 172(4)|2 mm & c (E(2(4)) + M2(4)) by ly-Sub: E(2)= (2 18212-22 hy 22) min = \int \langle 2 | 1821² mi - (c (n, cs (21)+1). **1**21. Pour reall: [212= 1.

We know already that 27(+) -> c in 2 (s, mai) exp. for. C = [22 7-11. = 1 Sarnari = Sarnari. Ex. one re hue Num their. also E(2(4)) ->> E(5c) thm E(2(4)) -> . My ((~~~). Olim {2} C H'(s) 5. 6.4. Ic>0 J 2i, + S |∇2; |² ≤ c d; => 3 ubsegner (agn ulled 3;) and 3; ++ 8+. 2; -> 2, m.H'(N). HI coeths (> in LP Up < 2(mil), 25 > 2 smally. (for low pupos, note $H'(si) \subset L^2(si) Cpells$.) $2i \rightarrow 2$ on le in $L^2 \Rightarrow \{g_1 \beta_2 i_2^2 \rightarrow \{\beta_2 \gamma_2^2 i_2^2 \} \}$ Rothaus "trich": men value mynlity 12; ly 2; -2 1/4 2; 15 2 mp ((ly 02+1) 0) 12; -21 0 5 mm { 12; 1, 12, 13. Olyo & I or oltr => (12; ly 2; -2, 42) $\leq c(\gamma) \left(\int_{\alpha} |z_{ij} - z_{i}|^{p} \right)^{\frac{1}{p}} \times$ ([(mars { 12; 1, 12 | (2+1) & ms { 12; 1, 12 | }) Chome 2 < p < & 2(n+1) (r+1)q = 2. Mre Hölder in lust magnet. and PHS -> 0. Conduir. $E(z_i) \rightarrow E(z_i)$. Andojan apour >> E(2;)+ x (2x p2;. > E(21)+x [129.