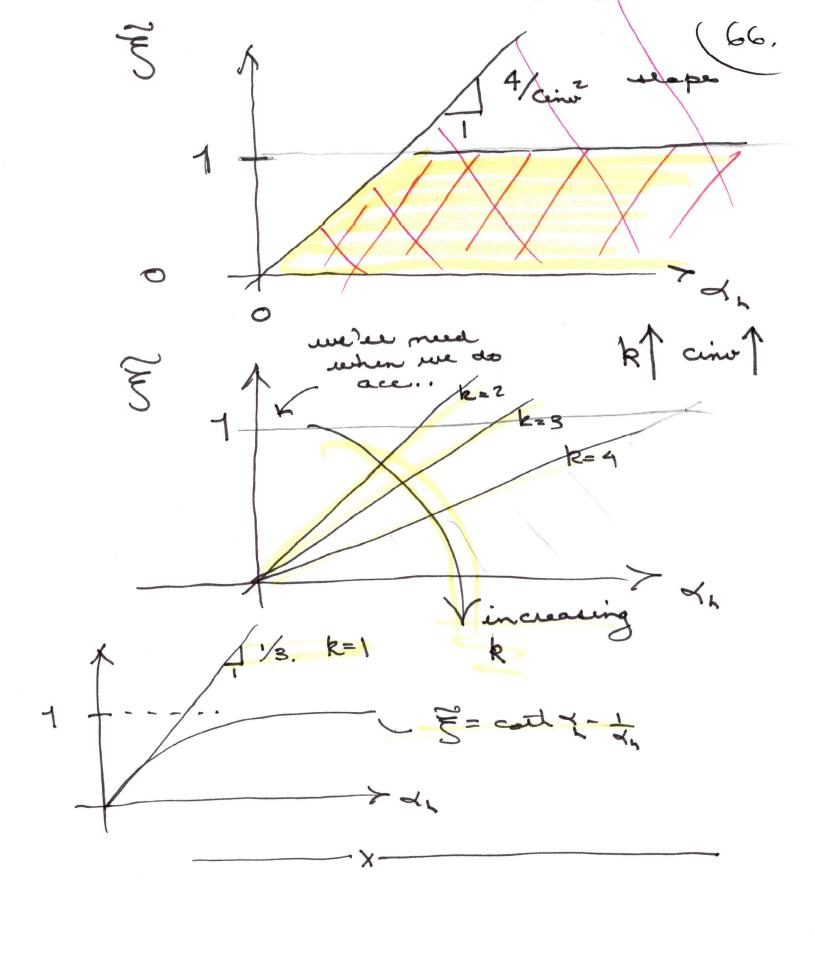


> (\(\times \) \ + Ta2 ||why ||2 - (Tra) 2 cino (b) 1 ||why ||2 × 11 w/2 + T/a/2 (1 - T/2/2 cin/2)) 11 w/1/ 7/2/2 cine (b) 2 41 of cine 2 (b) 7 6 h 2 X cine 2 (x + Tla/2) | w, x 1/2 = 1 (x+ Tal2) || why ||2 T= = = 5 (xh) < h2 7 = 21al 5 (xh) < h2 xcim2 EKNY Scini K on F(dh) That



x + m - 1) 11 w 3 x 112 375 1 x (1+ 1/2/2/2) | why |2 비얼 통(대) + 41 \$ \(\frac{1}{5} (42) \) | \(\frac{1}{5} \) \(\frac{1}{5} \) \(\frac{1}{5} \) \(\frac{1}{5} \)) - B_{SUPG} (e, 2) + BSUPG (= 7 2) = B(e; 2) + 5 Taeix (an, x-12, xx) dx ≤ 11 e/x 11 (12/11/21) (+ x 1/2/x11) (+ p.61) Trafala (en, 2,x) - Tax (en, mxx)

Cauchy - Schwarg. < 110,x11 (191 11211 + 2113,x11) + Trai le, x 11 112, x 11 + Traix 118, 11 113, 11 x (1+ x, \x\) | | e, | \(| \alpha | \| 2 | | + x | 2, x | + Tal 2 2x 1 + Tal x 1/2, xx 1 $= |a| ||w|| + (x + T|a|^2)||z|_{y}|| + T|a|a||w||_{yy}|_{a}$ $\leq |a| cint(\frac{b}{b})||w||_{k+1} + \frac{4|z|}{b}|_{a}$ +(2x+7|al2) = cint (1) k+1-1 ||u||e+1) = 12 /1/2 + Tal x 1 cint (h) R-1 | mll k41 (= 12 | 21) ∠ Cint (|a|(½) + 2(2+7)a|²)(½) k +) ||u||k+| Crelx L2 (h) We are almost there.