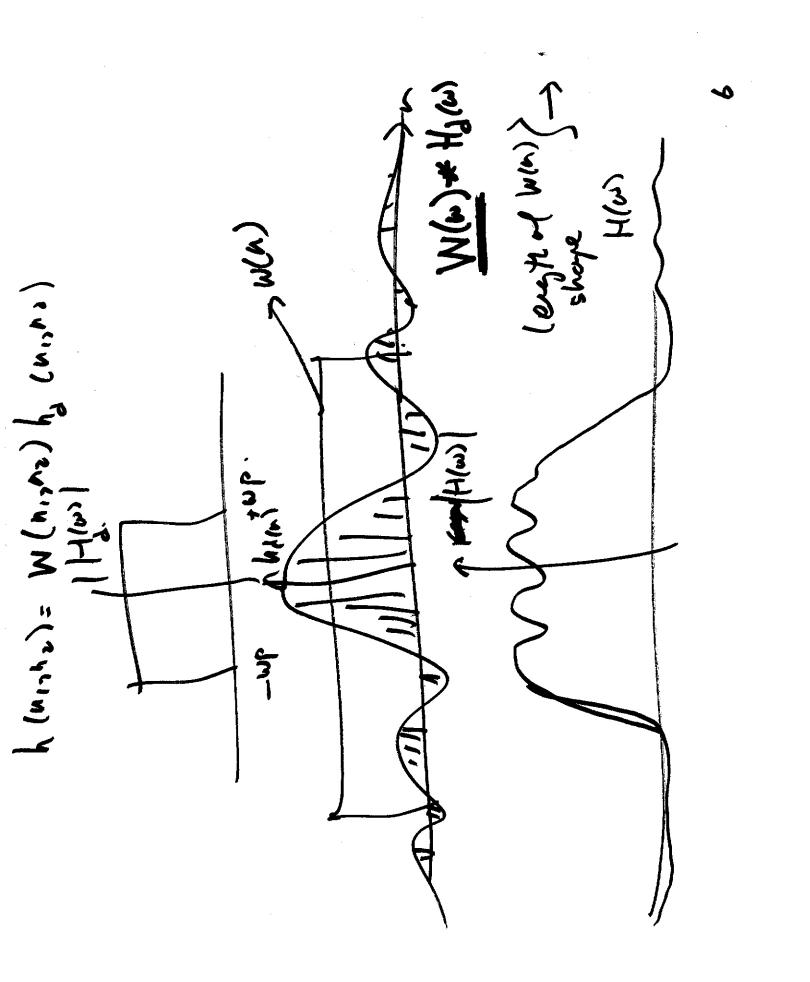


1118. 3 ways if seering FIR FITOWS 2(1) _ 5: K. (mont) N. alleler i Start with ident Twy. M 3. Dosign by Transmiss Fraquery safet 12 ->20. -> window the worden (m) 10-20. ha cr) 2. tale inver DTFT. 3. h(n) = W(n) ha(n) Window. Ň



3 (7)0 O(w) in line is w O(w) x, yei / 2D windows う う う H(w) = (H(w) H (m) Zoro phon - liver phan

h (nine) A (nine) Barphere (1 (1) = h + ((1)) W (1) W (1) 2 a teri It had is generation 7 T

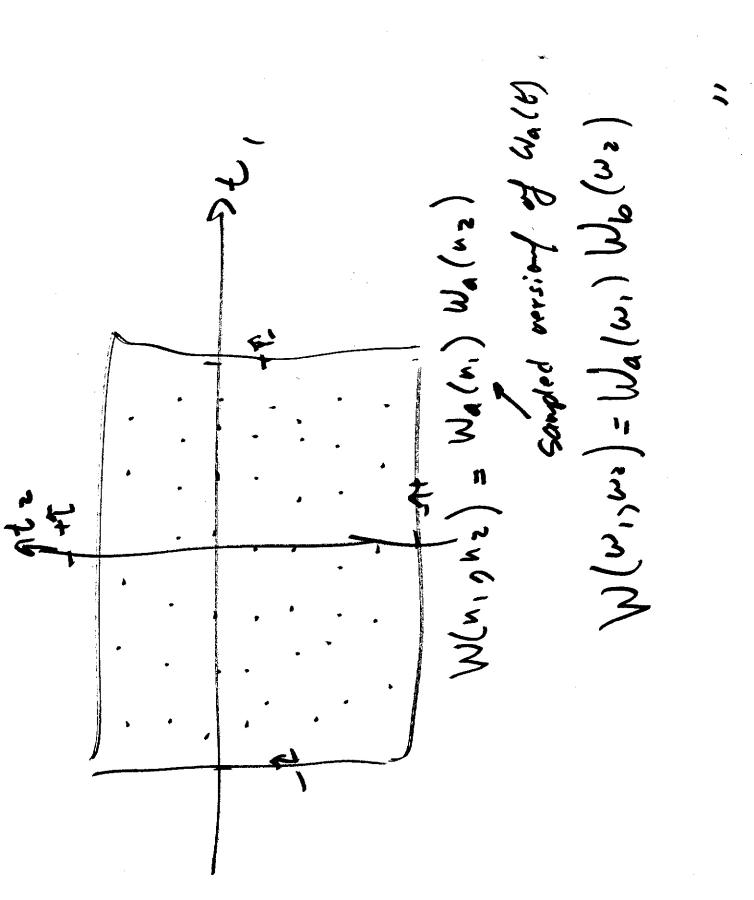
Lainer winder





もち 0 Travise 54 enter Britel Il main late with (1)工。(よ)--(生)~ Lo(x) trade medi Gel 0=) 52 52 53 K~ I.(V)= L. (x) (J) (t) = H Ъ

(n., n) ERu O Then is tions tains. Wn (t1,t2)= Wn (t) Wn (t2) same this to make it discrete 20 minutes W(n,,nz)= S Walt,tz) 25 window. C Continuen time 、



Walth, to) **U** (v·, vr) wa (tinte) t2 + t1 Another way 20 windows たー Lotata wat) 70 get Cank water to 5 $W_{a}(t)$ Wa(t,,te)= Source

عذسعناه (m, m) & Rw ghow pictures from J. Lim ちち しち し $W(h_1,h_2) = (W(t_1,t_2)) (t_1,t_2) (t_2,h_1)$ Cirulaly Synthic

MXM FIR. トリ チーロッチ [JF] 5 te ene **م** ⁄ Free. Sayling Teeling ちャ ê; 34. 0 3) 71

(n-)*1=(n) (n) *H=(m)H (1) (v-)y-(v)4 Assume H(w) is Zo phane h(n)= h(-n) is Zo phane h(n)= h(-n) Z 2 h (n) les (wr) sante ame h(r) has real coll · (1)= K(-1) Clini sunt cas = h(o) + N="1 H (m) H y had a lo

H(w) Jenu - T(w, w) - 2 (1-62 4)60 5 (m/3w) = (m+2w)= 2 (m) - (m) h(n) (T(u,uu)) H(m) B (m) B (m) (- (m); (m+m); 2 (m2) -1 H (winus)= H(m,,wz)= 0:4 H (m) H

(1#WZ) X (1+WZ) -- (2N+1) X (2N#) Then I thus will be by Car shar: it T(cu, un) is you place H(w) H (w) H super t(u, we is the part of maydina is i (m) H pro N.S-M NZ-M

- juini - juine H(wind)= Sha) (man) + M + M - juni-juni) H 5 12X12 (SNM+1) X (ZNM+1) Zh(n,n) e M_2 4 M_2 4 MIZ JAN AZ Z-NA N=10 -> h(n) : 21 pt N: 0 H(w, w) =

20 fron HIV. , us) and given & (man) 7(a,, u.) R (4) Desiz H(w), L(w) (oplined fitter) Get hinned (10) + (10,000) = (H(10)) (000 = Ether cleare or dresign t(h, ve) Derive speer to H(w) from speerin ? Contain Lat and ther, my to osity Transformt Wy, WP, SS SP Run H(W) Ster to 20 the start with spees is 20 ~

the phan 4 Fild t(n., ~.)= t(-n., -n.=) Me ellula Traffantiu Π 2 77 8