bTFT & h (a) }
= Freq. Response
Q: Iter at w. (3) H Linear Phose Filtoning

4 ×(v) (m) X (m) H (m) X = (m) X (m) / (m) = 1 + (m) / + (m)+ X +(m)+ x(m) - 1 (2) - 5(m)

タナタタ pore dellay LTE system of the form ではない Lives phase LTT syster [H(w) is D(n)= &(angi da مور

が m- ~ (m) H女 くろエヤ 4H(w)= Wh1 → G.D. [H/w) (~1 2#t. XH(W) J

AII trequeries are delayed by The Same someth as they pas though the amount as they gystan same

G.D. nd. Q(n)= \$(n-nd) らいい + 136 t Nows

ころく

I though the graden to the ingred relative phose between sinous and company as some as some as they are grup delasis relative phose important present o hseration

10

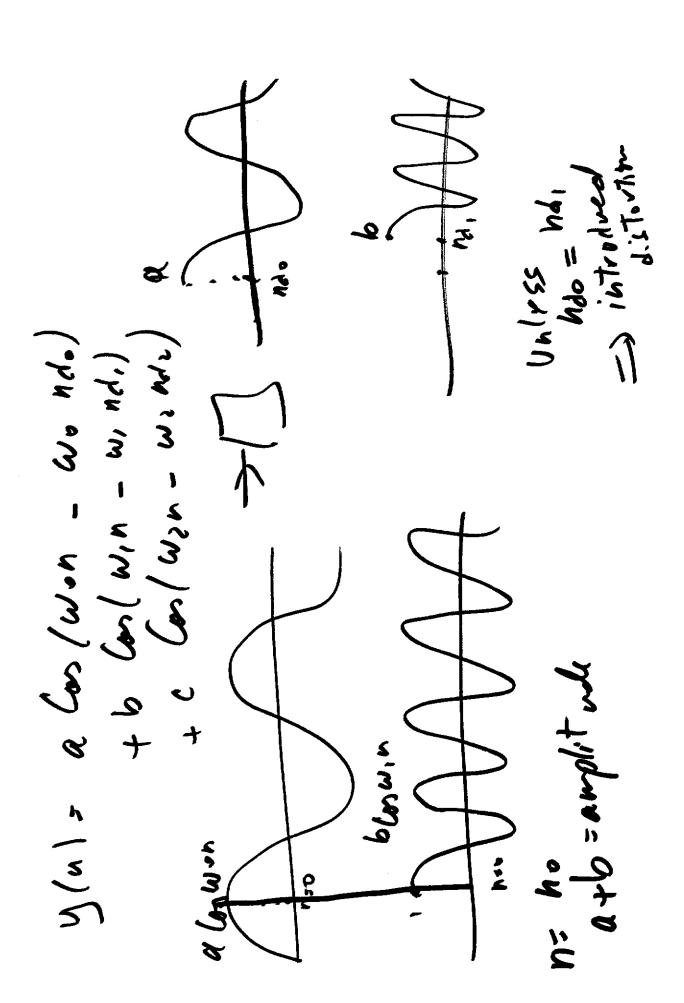
to present it is part in the first part to the f imate processi

DW= SKHZ Ulphotus = 400 MHZ. line Torm 1 4.4(w) (=- 0-who , Can oppose int 4.4 (h.) at wells 5.Th. 16.De - de [-0-0-1] 2nd I(E) **E 350** pres x (m) through LTE filter Consider a norrow had sized. // (m) = s(n) (monon with re 1 H (a) 1-4 イナシ 3

is center fry, of narrowbad signer. y (n)= S(n-hz) 60>(Won - Word-Q) Southerin For a narrow hand signed (35 人)等下(3)x X H(v) contered are wo delay 7-7 = 05 propertions To Can show.

(m2 n - W2 mds (as/ won - wo nd.) Cos (won - w, wd.) a Convent b Gow, n + C GOWEN. (35十) (S) C Contact ~ m29 9 とうろう Guri

0



Linea Phase Attany H. (E) e jan (B-dw) H(w)= Hw(w) 1 (m) H クログ

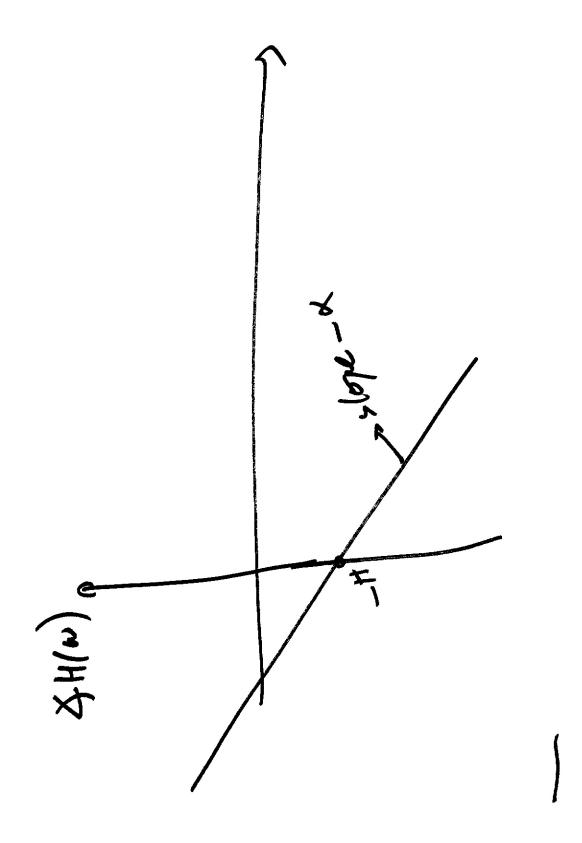
h(n)= h(4-n) that are real confirma ひこと ether of the synth tor fire d Riters (w-1 - N) y = (w) y J phaso. 42 た。その ٠ ٤ ٢ 工配 てずられ Ausa or Show 网

5301 h(h), h (>-r) H(w)= (r) \

Wimposs assurption h(n) = h(n-1-h) h(n) = h(n) = h(n-1-h) h(n) = h(n) = h(n-1-h)[(- i)w(- nwi > h(n) [e e c c] - jw (N-1) 2/2-1 H(w) ->mn H(E) 11 C "(3)工 · (多)升

5 h(a) [2 los (un - 4 (u-1)) (3) × T what is AHIO) 13QE -3w(1-1) N/2-1 上(で) 二十(で) with of 12 138 H(w)-

= $\left| H_{m}(w) \right| = \frac{1}{2}\pi - \frac{1}{2}d\omega$ = $\left| H_{m}(w) \right| = \frac{e}{2}(d\omega + \pi)$ ~ XH(w) = 6 (2) H (w) <0 negation - H(w) = | Hm(w) (c-1) = HA(E) e-3QE 14. (2) 1-1 (2) 1(w)= | H(w) | e 3 & 4(w) M. (~) >0 Positive 大工で consider 2 cont



(K) x (r.*) h(2-1-m)4 symetry condition that maken F2R (+1-N) 4=(4)48 011 also reduces h(k) x(r,k)+ て(大) ス (オード) V (x) x(x-x)+ しなでして 1000 months Con C. Hers linear phiso シメ 1 (E) (S) 5

X

2 moths > -- 1. insplan h(k) /x(n-k)+ x(n. N+1+k) +dds. Each my(n) y(n) =

Stom S N adds. MCK) X6-K, K= 2

1/2 as mony met.

