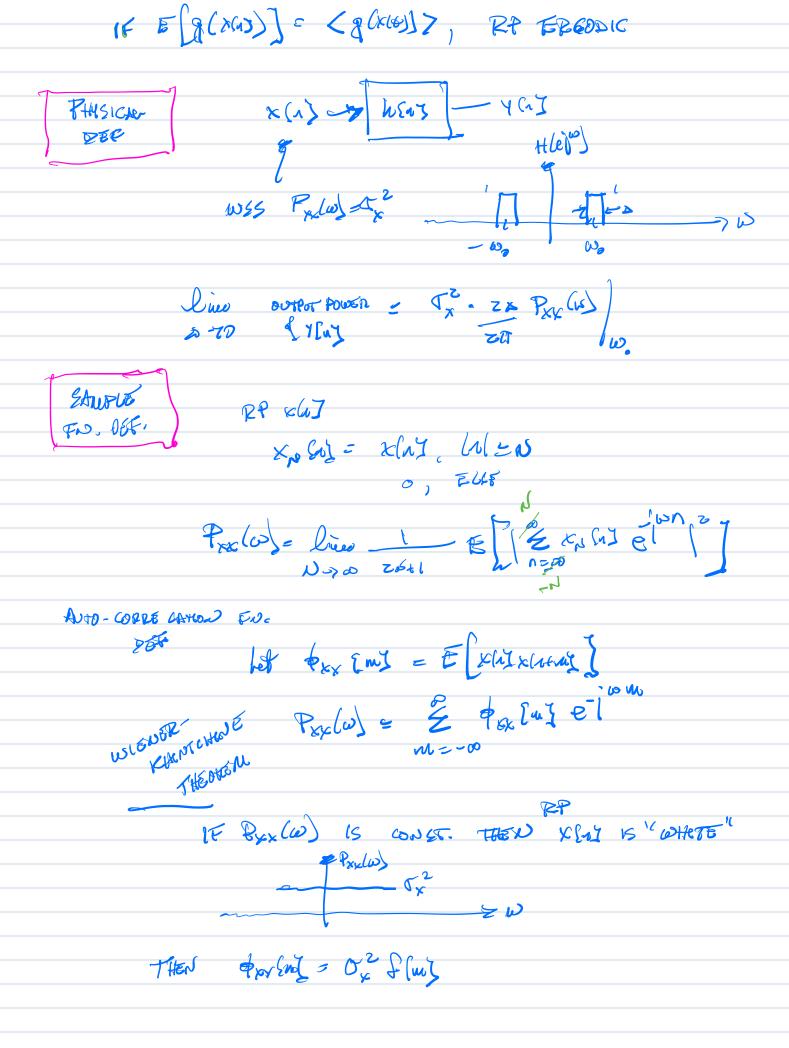
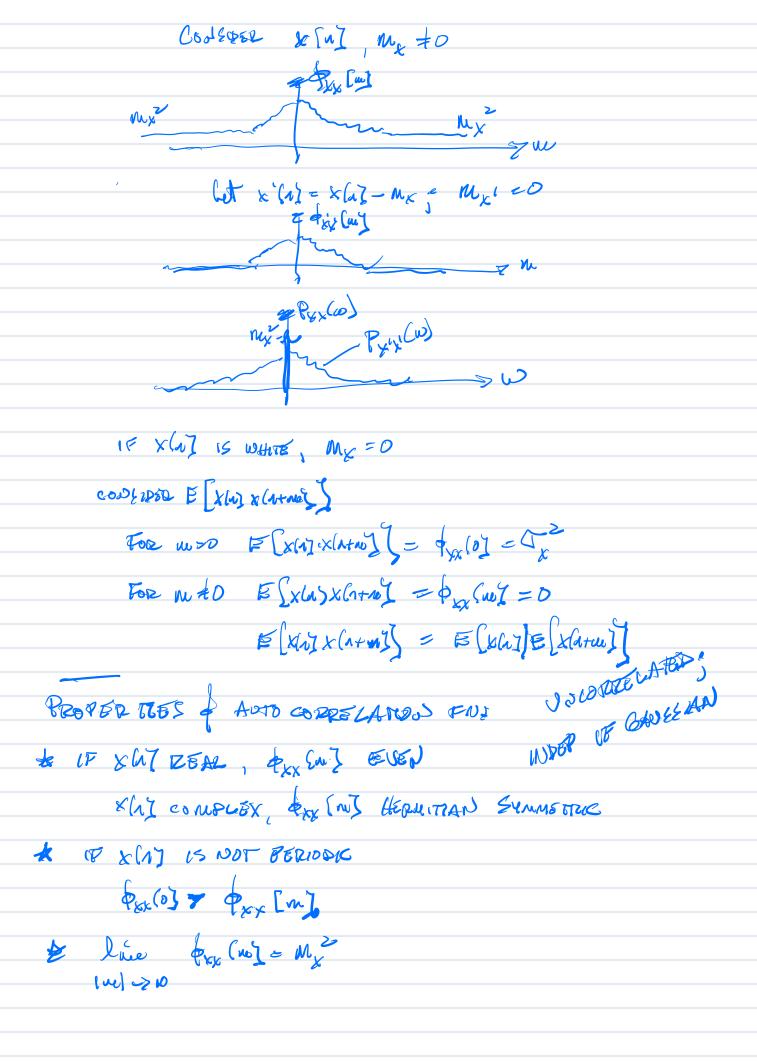
10/2/24 REVIEW of PSD, RAWDOU PROCESSESS THEOUGH LINEAR FILTERS, INTRO TO PARAMETER ESTUATION LOS 75 8.3-8.7, U.O-U.Z. HOTES 4.5-5.3 BULZ I IN OSE WEEK, 49 CONSTRACT THRONGE PS 5, NO RPS CUSSED EOOK, ONE EHEET OF NOTES FRIMAY BENEW OF 96 23 SONDAY GENTRAL PEVIEW 2:30 Xthe Roverne Processes (F & [XH)] = CONST. 9xx(t, t2) = [x(t,)x(t)] DEROSU ON tzt = c THEN X(8) WX E [8(x(+))] = (2) dd IF X(t) STATIONARY ct 6 g (x(t)) 7 2 lieu = [g(x(t)) dt Tro Zure n= N





PROPERTIES O PSD FOCTORS
* OF KLI] REAL, PXL(W) REAL, EVEN
* Pox(w) 20
& TOTAL POWER TO [XChy] = 1 Page (w) dw
* OF MX = E (MA) +0, PXX(w) WELL HADE A TERM & S(w)
PROCEES HEROUGH LINEAR FUTERS
wss xai - 2 has -> ya
Know my, and Ind, ty End & Bry Cool, What
ESND My, tyy [m], tyy(w)
7(n/2 = = h(k) x (n-k)
my = = [Ylu] = = [Zhsk]x(n-k] = Zhsk] = [k(y-b)]
$m_{y} = m_{x} \stackrel{2}{\sim} h(k)$
Exy [m] = E[Y(u) Y [n+me]]
= E[= h(k]x[n-k] = h(e]x[n+m-e]]
Y SAJ Y CATAN J

WHO TO BARAMETER ESTUATION

PARAMETER d

PARAMETER d

PARAMETER d

PARAMETER 2

PARAMETER 2

CHARACTEROSTICS ("GODD" ESTUARDE"

1. BLAS B = d - E(2) (WANT B > 0)

2. VARIAGES $E[(H - E(H))^2] > G^2 = E[\chi_{\chi}^2] - M_{g}^2$ 3. WHEN - SRUARE (MSE) $E[(H - E(H))^2] = f^2 + E^2$ 4. CONSISTENCY χ (S CONSISTENCY OF CONSISTENCY OF CONSISTENCY χ SHOUPLES of $\chi(u)$

lue 8-0 lue 1-0 N70 N00