24/03/2021 fim = fRF + 2 fiF (HITH) or fim = frif - 2fir Clow How = flo > fre =) flo=fre + fle Low - flo < fre =) flo=fre fle (fir > BRF - 3 RF 5 and worden) EM radio: 88-108 MHz (FRE) BRF = 20 MH2 ; FIFTINH2 FIF > 20 = 10 MH2 FM radio RF = 88-108 MM2 IF = 10,7 MM 0-98-7 to 118-7 MM2 (418h Erde injectus) LOEGT-3 the 97-3 mbh fim = fr + 2 f 1 P = 66.650 = CBB to 108) 4 2 (10, = C8840 108) + 21-7 = 109°4 to 129-47 (AA-108 MH2)

soms towns at fim = fre + 2 fir - stacker accuracy is -> pour selection pord adjaced manvel rejection

Hartley annitective for imore To > 000 00 Ct てから からろ しって ACOSCWRAT) JB CJS (wint)

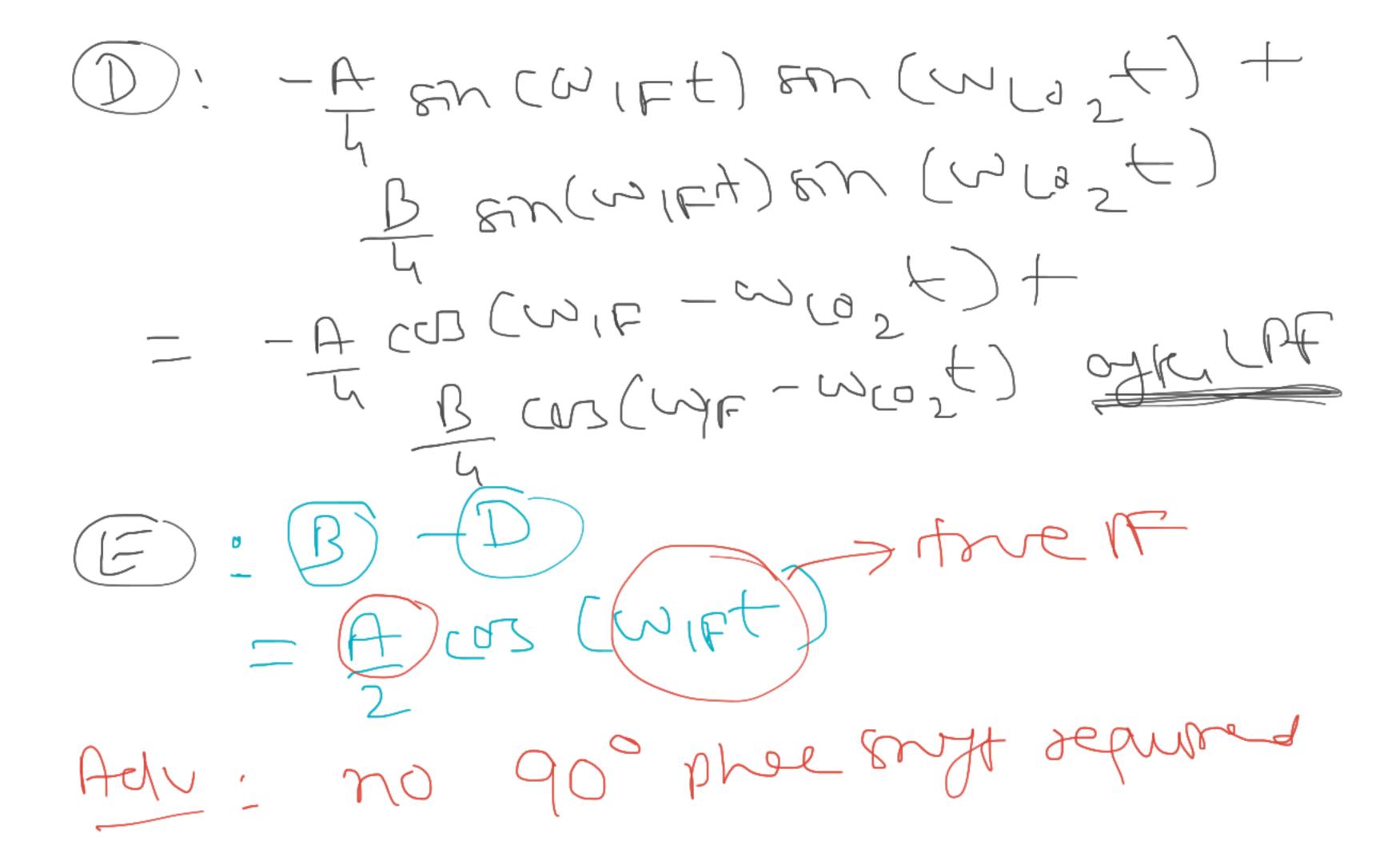
Signed cut (A) Acos (w RF+) cos (w to) + BCGZ (mint) CQZ (mrot) 7 (WRF - WCot) # B cos (W;m-Wco) £ + Bus (w, F) not deamed

SKred et (B): ogter 90° phore F cos (w/Et+40°)+ B cos (w/Et+40°) = - A sin (w(Ft) - B 8m (w(Pt)) Signed out (C): A COS (WRF +) Em (Wot) T Bcos (wint) &m (wot) = -A)8m (w, Ft) + B&m (w, Ft) F THE OFF TO POST IFFINITION

bean It is fra RF wh Weaver's architecture for image rej Ext. of Hartley's armitection 900 phoe achivement m

(A): A (3) (WIFT) + B (3) (WIFT))
(C): -A & (WIFT) + B (3) (WIFT)) A (w, Ft) cos (w, o2t)

2 + B cos (w, Ft) cos (w, o2t) $= \frac{1}{4} \cos(\omega_{1F} - \omega_{10} + \omega_{2}) + \frac{1}{4} \cos(\omega_{1F} - \omega_{10} + \omega_{2})$ $= \frac{1}{4} \cos(\omega_{1F} - \omega_{10} + \omega_{2}) + \frac{1}{4} \cos(\omega_{1F} - \omega_{10} + \omega_{2})$ $= \frac{1}{4} \cos(\omega_{1F} - \omega_{10} + \omega_{2}) + \frac{1}{4} \cos(\omega_{1F} - \omega_{10} + \omega_{2})$



Maximm Pove Transfer 7 Imbedune Leliver to a Toad, the part toursten

how delivered to load Z, 15: - [] R. T.

Pundelsed to local, ie. P. Shows marin, ve, P_ = V2R, (R,+RL)+(X+X) Looking from at effect of X m PL it will be seen that by making $\begin{bmatrix} \times \\ = - \times \\ \end{bmatrix}$, $\begin{bmatrix} A \end{bmatrix}$ P, will be at marking P, = VIR CR(+R())

Recommun De varied to marinare tre expression Dest (marina) row of Pi's obtained by equal 21/ dr, =0 For (2), $\frac{dR_{L}}{dR_{L}} = \sqrt{\frac{R_{L}}{R_{L}}} + \frac{dR_{L}}{dR_{L}}$ $= \sqrt{\frac{R_{L}}{R_{L}}} + \frac{dR_{L}}{dR_{L}}$ $= \sqrt{\frac{R_{L}}{R_{L}}} + \frac{dR_{L}}{dR_{L}}$ $= \sqrt{\frac{R_{L}}{R_{L}}} + \frac{dR_{L}}{R_{L}}$

$$= \frac{1}{4R} \begin{bmatrix} -2R_1 + (R_5 + R_1)^2 \\ -2R_1 + (R_5 + R_1)^2 \end{bmatrix}$$

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Condition for mars pouvers transfer RILHIXL = RS-JXS Conjugate matur of impedare

Z L = ZS