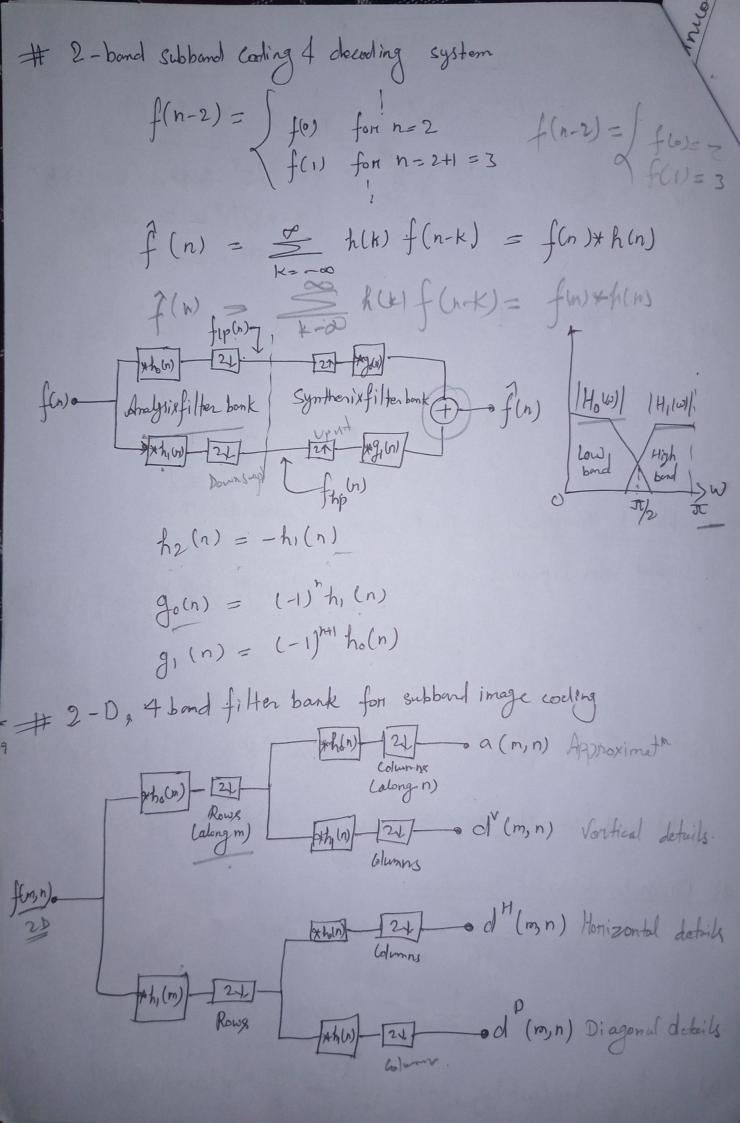


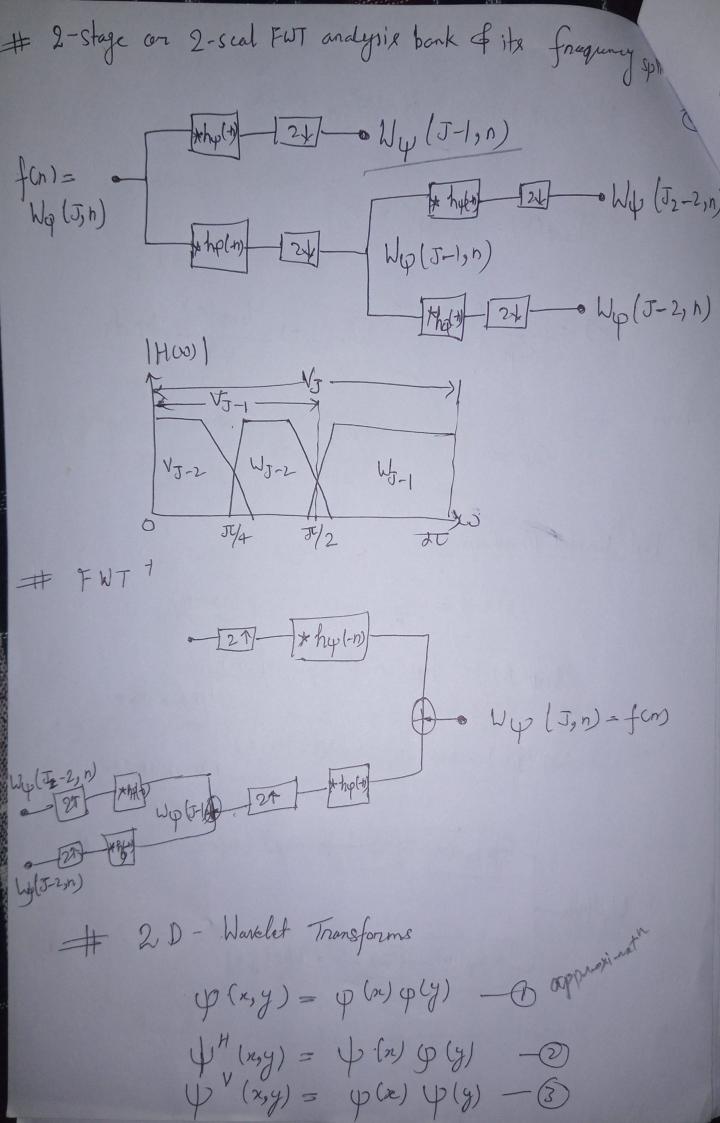
# Wavelet Transform in One Dimension > Dixorda UT ... Continuous WT. \* Wovelet Soies Expansions! fon) = = Go(k) Poik (1) + = = Ajlkhticht (2)

approximaty

Sealing coefficient Coefficient  $C_{jo}(K) = 2f(n), P_{jok}(n) = \int e^{n} \mathcal{P}_{jo,k}(n) dn$ · for Boy (x) che  $dj(k) = \langle f(n), 2t; k(x) \rangle = \int f(n) 2t; k(n) dn$ I fens to Kindre He Discrete Wordet Transform

We (jo, k) = I = f(n) \pi, (n) > oppro
JM n f(n) \pijonk  $\int_{M}^{M} \int_{R}^{M} \int_{R$ 





\$ (my) = 4m) (yy) Tot define scaled & translated basic furth  $(y,y) = 2^{j/2} + (2^{j}x - m, 2^{j}y - n)^{-any}$  $\psi^{i}(x,y) = 2^{3/2}\psi^{i}(2^{3}n-m,2^{i}y-n), \forall i=1,4,4$ Wy (\$\fo, m,n) = \frac{1}{\text{MN}} \frac{\text{N1}}{20} \frac{\text{N1}}{\text{yn}} \frac{\text{N1}}{\text{yn}} \frac{\text{N1}}{\text{yn}}  $H_{N,0} \text{ officient}$   $M = \int_{N_0}^{N_0} \int_{N_0}^{N_0}$ i= {H, V, D},  $f(x,y) = \frac{1}{\sqrt{MN}} = \frac{1}{m} = \frac$ MN is H, V, D jejo

MN is H, V, D jejo

Ameleynix f: Her book.

