Florance & Salaria Tuesday, May 4, 2021 7:07 PM  $(\mathcal{U}, \mathcal{U}, \mathcal{V}) =$ 1-1- e-jear/10 jear/10 + e-jear/11 jear/11 jear/11 ] Fur) (b) HTU, V)= GW,V)/FW,V) = 4 [e-jervh jerv/N + e-jeru/n jeru/n ]  $=\frac{1}{4}\left(2\omega S\left(\frac{2\pi N}{N}\right)+2\omega S\left(\frac{2\pi N}{N}\right)\right)$ = 1 ( cos 220 + cos 2211 )  $\frac{1}{2} \left( \cos \frac{2\pi \mathcal{U}}{m} + \cos \frac{2\pi \mathcal{V}}{\mathcal{V}} \right)$ Newther  $2.(\omega)$   $\begin{bmatrix} 0 & 1 & 0 & 7 \\ 1 & -4 & 1 & 7 \end{bmatrix}$ 

1110 homes

WE KIWW:

 $f(x-x_0,y-y_0) \rightarrow f(u,v)e^{-j2x(\frac{ux_0}{n}+\frac{yy_0}{n})}$ So.  $H(u,v) = e^{-j2\pi \frac{u}{M}} + e^{-j2\pi \frac{u}{M}}$ jent jent jent te =4+(e=j2n / e=j2n / +(e=j2n / ) =-4+ 2008 21h + 2008 21V 的风从码 CC)

Hughpass Falter