

Which terms to keep

Is d; 1 or o?

Vifo versus 古成家

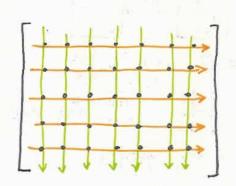
Suppose we know the "energy" in the noise: $\vec{W}^T\vec{W} = E_{Noise}$ & suppose we also know the "energy" in the image: $\vec{F}^T\vec{f}^* = E_{Image}$ \Rightarrow energy in the image is uniform in frequency

Fo= Z Vi (Vi Fo)

$$\vec{f}^{\circ}\vec{f}^{\circ} = (\sum \vec{V}_{i} (\vec{V}_{i}^{\dagger} \vec{f}^{\circ}))^{T} (\sum \vec{V}_{i} (\vec{V}_{i}^{\dagger} \vec{f}^{\circ}))$$

$$|\vec{V}_{i}^{\dagger} \vec{f}^{\circ}| = \sqrt{E_{XMOGE}}$$

Uniform Noise assumption: $|\hat{u}| = \frac{\sqrt{E_{\text{Noise}}}}{\Lambda I}$



 $X[n_1, n_2] = \frac{1}{N^2} \sum_{i=1}^{N} e^{-j2N_i \cdot (n_1-1)(k_2-1)} e^{-j2N_i \cdot (n_2-1)(k_2-1)} X[k_1, k_2]$