NOTE SULLA DCT

La DCT e quindi sempliamente

un combiemento di bace:

$$y = \sum_{i=0}^{N-1} y_i e_i = \sum_{k=0}^{N-1} c_k w_k$$

Ponionne
$$\vec{y} = \begin{bmatrix} y_0 \\ y_{N-1} \end{bmatrix}$$
, $\vec{c} = \begin{bmatrix} c_0 \\ c_{N-1} \end{bmatrix}$

allore
$$\vec{c} = DCT \vec{y}$$
 done

$$C_{K} = \left[DCT\ddot{y}\right]_{K}$$
 guinds
$$\underline{y} = \sum_{k=0}^{N-1} \left[DCT\ddot{y}\right]_{K} \widetilde{W}_{k}$$
componente della
frequente K

