(Worksheet from lecture 13)

$$t(k) = \frac{1}{4} \times (2k) + \frac{3}{4} \times (2k+1) = \frac{1}{4} \times (2k+1) + \frac{3}{4} \times (2k+1)$$

$$d(k) = f(k) - \times (2k+1) = \frac{1}{4} \times (2k+1) + \frac{3}{4} \times (2k+1)$$

$$- \times (2k+1) = \frac{1}{4} \times (2k+1) + \frac{3}{4} \times (2k+1) + \frac{3}{4$$

$$\begin{bmatrix} 1 & 0 \end{bmatrix} \begin{bmatrix} T & 34T \end{bmatrix} \begin{bmatrix} T & 0 \\ -T & T \end{bmatrix} \begin{bmatrix} split \end{bmatrix} = T_q$$

Exam Informations

thre will be a choice

" przect" exam(s)

nelatrely
openeuld
w/ cauvete thys
to try fodo.

2. expression (DUP put of CDF(2,2)

$$CDF(2,2)$$

$$D = \begin{cases} r_2 & 0 \\ 0 & 4r_2 \end{cases} \quad U = \begin{bmatrix} I & 4I + 4S \\ 0 & I \end{bmatrix}$$

$$P = \begin{bmatrix} I & 0 \\ -\frac{1}{2}I - \frac{1}{2}S^{-1} & I \end{bmatrix}$$

$$UP = \begin{bmatrix} I & 4II + 4S \\ 0 & I \end{bmatrix} \begin{bmatrix} I & 0 \\ -\frac{1}{2}I - \frac{1}{2}S^{-1} & I \end{bmatrix}$$

$$= \begin{bmatrix} I + \frac{1}{8}(I - S^{-1} - S - I) & 4(I + S) \\ -\frac{1}{2}(I + S^{-1}) & I \end{bmatrix}$$

Suppose Oskem consider Tsek Tsek=[merx] ? - 'u-' D-' ek = [merx] ? - 'u-' (1/2)ek = (I) my P'N'ek

ex again

[T 2] ex = ex

O I) - (Jz) meze Pek $\begin{bmatrix} I & G \\ \frac{1}{2}(I+S') & I \end{bmatrix} \begin{bmatrix} \frac{1}{2} \\ \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} \\ \frac{1}{2} \end{bmatrix} + \frac{1}{2} S^{-1}$ concretely:

kth thend wavelet wasis rectr.

