Y116310×6 黄类薯

$$7.22 (0) V = [1 2 1]^{T}, W^{T} = [2 113] (0) W = W_{1} * W_{2}$$

$$W^{T} = \begin{bmatrix} 2 & 1 & 1 & 2 \\ 1 & 2 & 2 & 2 \\ 2 & 1 & 2 & 2 \end{bmatrix}$$

$$Rank = 1$$

$$Rank = 1$$

$$W = \begin{bmatrix} 2 & 1 & 1 & 2 \\ 4 & 2 & 2 & 2 \\ 2 & 1 & 1 & 2 \end{bmatrix}$$

$$W = \begin{bmatrix} 2 & 1 & 1 & 2 \\ 4 & 2 & 2 & 2 \\ 2 & 1 & 1 & 2 \end{bmatrix}$$

$$W_{2} = \begin{bmatrix} 1 & 2 & 1 & 2 \\ 2 & 1 & 2 & 2 \\ 2 & 1 & 2 & 2 \end{bmatrix}$$

$$W_{3} = \begin{bmatrix} 1 & 2 & 1 & 2 \\ 2 & 1 & 2 & 2 \\ 2 & 1 & 2 & 2 \end{bmatrix}$$

Principles and Applications of Digital Image Processing HW3 Report

R11631026 黃廷睿

Part 2:

因時間不足,目前僅完成 3*3 的 mean filter,效果如右圖

