

四川大学

Sichuan University

Chengdu, 610207, Sichuan, P.R.China Http://www.scu.edu.cn

P/04 25-2(a)
[5 4] [u] = [6] [1 3] [v] = [-1]
$\frac{1}{2} D = \begin{bmatrix} \frac{1}{2} & 0 \\ 0 & 3 \end{bmatrix}, L = \begin{bmatrix} 0 & 0 \\ 1 & 0 \end{bmatrix}, U = \begin{bmatrix} 0 & 4 \\ 0 & 0 \end{bmatrix}, D^{-1} = \begin{bmatrix} \frac{1}{2} \\ 0 & 0 \end{bmatrix}$
$\begin{bmatrix} \mathbf{W}_{2} \\ \mathbf{V}_{2} \end{bmatrix} = \begin{bmatrix} \frac{1}{5} & 0 \\ 0 & \frac{1}{2} \end{bmatrix} \begin{bmatrix} 6 \\ -1 \end{bmatrix} = \begin{bmatrix} 0 & 4 \\ 1 & \frac{1}{5} \end{bmatrix} = \begin{bmatrix} \frac{22}{15} \\ -\frac{11}{15} \end{bmatrix}$
$\begin{bmatrix} u_1 \\ v_1 \end{bmatrix} = \begin{bmatrix} 1 \\ 1 \\ 0 \end{bmatrix} \begin{bmatrix} 1 \\ 0 \end{bmatrix} \begin{bmatrix} 1 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 1 \end{bmatrix} \begin{bmatrix} 0 $
$\begin{bmatrix} U_2 \end{bmatrix} = \begin{bmatrix} \frac{1}{5} & 0 \end{bmatrix} \begin{bmatrix} $
2.5-4(a) w=1.0
([VI] = [\$ 0] t [0 4] [0]) + [\$ 0] [6] - [\$]
[Uz] - [= 0] (- [0 4] [=]) + [= 0] [6] - [134] [Vz] - [= 5] (- [0 0] [= 1] + [= 5] [-1] - [208] [22] + [= 1]
w=1.2 wltD=1.2ltD= [5 0], LWL+D>1-[+ 0]
第 页





Chengdu, 610207,

