Date: / /

$$\frac{\det \left(\begin{bmatrix} 4 & 8 & -1 & -2 \\ -2 & 9 & -2 & -4 \\ 0 & 10 & 5 & -10 \\ 1 & -13 & -14 & -13 \end{bmatrix} - \lambda \begin{bmatrix} 10007 \\ 0100 \\ 0010 \end{bmatrix} = 0$$

$$\frac{det}{-261h} - \frac{7-x-2}{-1-x-2} = 0$$

$$\frac{-1}{-13} - \frac{14}{-13-x}$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}\right)$$

$$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}$$

$$(4)^{2} + 88\lambda + 260 - 3^{3} - 22x^{2} - 65\lambda) - 16\lambda - 176 + 2\lambda - 34$$

$$-x^{3} - 18x^{2} + 23 + 260 - 16\lambda - 176 + 2\lambda - 34$$

$$-x^{3} - 18x^{2} + 23 + 260 - 16\lambda - 176 + 2\lambda - 34$$

$$-x^{3} - 18x^{2} - 9\lambda + 50$$

$$-x^{2} - 9\lambda - 2 - 13 - 14$$

$$-x^{2} - 9\lambda - 2 - 13 - 14$$

$$-x^{2} - 9\lambda - 2 - 13 - 14$$

$$-x^{2} - 14$$

$$-x^{$$

for 1 2-21. 125 25-121 8 -1 -2 5 -2 12.125 -2 -4 10 10 26105 -10 ,0 0318 -0.040/-0-000,0 12.12 -2 3 -4 10 0 10 0318 -0 040 -0.080 d 0 12.761 - 2.080 - 4:159:0 0 (0 2(.125 -10 10 1-1 -13 -14 . 8.125 :0, 1 0.318 - 0.040 -0.080:01 0 12.761 -2.080 -4.159 10 0.318 -0.040 -0.080 0) 1 -0.163 -0.326.0 0 27.74 -6.741 0 -12.682 -14.540 8.045 0 0 1 0.318 .0,040 - 0.080 0 1 -0-163 -0.326 10 27.714 - 6.7410 0 -12-681 -16-106 3-912 10 10.318 -0.040 -0.070 1D1 1 -0.163 -0.326,0 1 -0.243,0 0 -16-106 3.912 10

Date: 0.318-0.040-0-070:07 0 1 -0-326 (0 - 0.24310 0.318 -0.040 -0.080 0 -0.315 (0 0 (0 10.318 0 -0.039,0 -0.365 0 = 0.24310 . 0 010-03650 4 TO.027 Ny = 0 x3 = 0.243 xu = 0 This ognation 14+1313- 21912-835 x +3000 las as real possible nots but we tried estimating to wearest