

ERRATA AND UPDATE SHEET FOR COMPUTING FOR NUMERICAL METHODS USING VISUAL C++ Wiley-Interscience, 2007.

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Chapter 4

Page 126

Question 1: Replace **Code4B** with **Code4C**.

Question 2: Replace **Code4A** with **Code4B**.

Chapter 5

Page 133

Paragraph “Operations with respect to the third row”:

Replace the numbers

0.000 **5.000** **5.000** -9.000

with

0.000 **4.000** **4.000** -9.000

Page 134

Paragraph “The C++ code for this method...”:

Replace `double Sum, m` with `double Sum, p`

Page 136

Paragraph “Consider the following system”:

Replace $3x_1 + 5x_2 + 1 = 5$ with $3x_1 + 5x_2 + x_3 = 5$.

Page 140

Paragraph “Eliminate a_{21} , a_{31} , and a_{41} through...”:

Replace the numbers

0.000 **5.000** **5.000** -9.000

with

0.000 **4.000** **4.000** -9.000

Page 157

Paragraph “In implementing the Thomas algorithm approach...”:

Replace $u_{11} = 1$ with $u_{ii} = 1$.

Page 162

Second line from the top:

Replace (3.8) with (2.8).

Equation (5.10):

Replace $|a_{ii}| > \sum_{\substack{j=1 \\ j \neq i}}^N |a_{ij}|$ with $|a_{ii}| > \sum_{\substack{j=1 \\ j \neq i}}^n |a_{ij}|$.

Page 182

Paragraph “A click on the Crout button...”:

Replace Crout() method with Crout method.

Chapter 6

Page 211

Table 6.7, first column:

Replace $pt[i].y, pt[i].y$ with $pt[i].x, pt[i].y$.

Chapter 11

Page 396

Paragraph that starts with “ $i = 3, j = 1$ ”:

Replace $-0.1u_{3,1} + 0.145u_{2,1} + 0.0625u_{3,2} = -0.031191$

with $0.01u_{2,1} - 0.145u_{3,1} + 0.0625u_{3,2} = -0.031191$.

Page 409

First paragraph:

Replace Equation (11.12) with Equation (11.14).