Errata to the Second Printing of “Optimizing Compilers for Modern Architectures”
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Preface
P. xxv, line 15: insert “Guohua Jin,” between “Jacques-Olivier Haenni,” and “Mike Johnson”

Chapter 3
P. 80, Figure 3.1, line 5 from the bottom: “ε” should be “∈”
P. 84, lines 8-11: replace the sentence beginning “The weak SIV test…” with the following: “The weak SIV test can then be formulated as determining whether there exists an integral value m between the loop bounds and integral values i and i’ such that \(a_1i + c_1 = a_2i' + c_2 = m\), as shown in Figure 3.3.”
P. 89, line 23: “=” should be “…=”
P. 89, line 24: “…=” should be “…”
P. 94, line 19: “\(n_b\)” should be “–\(n_b\)”
P. 104, line 1: “greater than 2” should be “greater than or equal to 2”
P. 109, line 27 (3 from the bottom): replace the entire line with the following (centered):

\[
U_{10} = 100; \quad U_{20} = -1; \quad U_{21} = 1; \quad L_{10} = L_{20} = 1; \quad L_{21} = 0
\]
P. 113, line 9: “is to the” should be “is the”
P. 124, lines 24 and 32: “\textbf{return depExists;}” should be “\textbf{return false;}”
P. 125, line 12: “\textbf{return depExists;}” should be “\textbf{return false;}”

Chapter 4
P. 144, Figure 4.2, lines 9 and 14: “ε” should be “∈”
P. 151, Figure 4.8, lines 6, 11, and 13: “ε” should be “∈”
P. 151, line 7 in Figure 4.8: insert a blank before the final occurrence of “\(N\)”
P. 169, line 25: “1,000” should be “1000”

Chapter 6
P. 247, line 1: “\(N+1\)” should be “\(N\)”
P. 247, line 3: “.LE.” should read “.LT.”
P. 279, line 2: “only “=” should be “only non-“=””
P. 297, line 35 (third from bottom): “outer loop on J” should be “outer loop on K”

Chapter 7
P. 354, Figure 7.10: the “\{2\}” next to node 5 should be removed

Chapter 8
P. 427, line 3: the “\texttt{ENDDO}” should be aligned with the “\texttt{DO}” in line 1
P. 429, lines 10, 16 and 27: “1,000” should be “1000”
P. 431, line 10: “1,000” should be “1000”
P. 435, lines 19, 22 and 25: “1,000” should be “1000”
P. 436, lines 1, 4, 7 and 8 (below Figure 8.24): “1,000” should be “1000”
P. 450, lines 20 and 21 (below Figure 8.34): “1,000” should be “1000”
P. 451, line 11 (below Figure 8.35): “1,000” should be “1000”
P. 452, lines 3, 8, 19, 29 and 42: “1,000” should be “1000”
P. 458, line 34: replace “are partially initialized at” with “have been initialized on some path to”

Chapter 9
P. 488, third line from the bottom: delete the entire line, which currently reads:
A(I-1,J-1) = AINIT(I-1,J-1)

Chapter 11
P. 551, line 25 (line 1 of Definition 11.2): “(s,x)” should be “(p,x)”
P. 551, line 26 (line 2 of Definition 11.2): “to s” should be “to p”
P. 576, Figure 11.9, line 11: indent the “CALL” to align with “W” on the previous line

Chapter 14
P. 693, line 11: “A(I+1,J) + A(I+1,J)” should be “A(I-1,J) + A(I+1,J)”
P. 696, line 15: “A(L:L+99), is” should be “A(L:L+99) is” (delete the comma)
P. 696, line 25: “A(1,100)” should be “A(1:100)”
P. 697, line 36: “A(1,100)” should be “A(1:100)”
P. 705, line 6 and line 13: the character to the left of the “∈” should be “I”
P. 708, line 7 and line 32: “THEN)” should be “) THEN”
P. 709, line 7 and line 28: “THEN) should be “) THEN”
P. 714, line 11: “SEND(PID+1,B(100,J))” should be “SEND(PID+1,B(100,J),1)”
P. 714, line 12: “SEND(PID+1,A(100,J))” should be “SEND(PID+1,A(100,J),1)”
P. 715, line 2: replace “A(10000,100)” with “A(10000,1000)”
P. 715, line 18: “RECV(PID-1,B(0,J),1)” should be “RECV(PID-1,A(0,J),1)”
P. 715, line 24: “SEND(PID+1,A(100,J+1))” should be “SEND(PID+1,A(100,J),1)”
P. 715, after line 10: insert “UB = min(J+K-1,M)”
P. 721, lines 12-13: replace the lines with:
RECV(PID-1,A(0,J:UB),UB-J+1)
DO j = J, UB
P. 721, line 17: replace the line with:
DO j = J, UB
P. 721, line 23: replace the line with:
SEND(PID+1,A(100,J:UB),UB-J+1)
P. 722, line 7: insert a blank between the two characters in “-1” at the end of the line
P. 722, line 8: insert a blank between the two characters in “+1” at the end of the line
P. 724, line 17 (below Figure 14.5): replace “kp /= 0” with “rc /= myc”
P. 729, line 22: “INHERIT X,Y;” should be “INHERIT X,Y”
P. 733, Exercise 14.4, line 9: “1, N” should be “2, N”
P. 734, Exercise 14.5, line 10: “1, N, K” should be “2, N, K”
P. 734, Exercise 14.5, line 12: replace “II + K – 1” with 
   “min(II + K – 1, N)”