Errata in the Text

An Introduction to Data Structures and Algorithms, J. A. Storer, Birkhäuser / Springer

Page 12, simpler computation: $O(n^2)$ should be $O(k^2)$.
Page 20, 207, 218: The 6th and 7th digits of $e$ should be 81 not 18.
Page 21: In the first proof, $\log_3(2)$ should be $\log_2(k)$.
Page 93, Recursive approach: Each item is a value or an operator (not a parenthesis).
Page 96, inductive step (both places): $n>1$ should be $n>0$.
Page 102, L2 (write statement): $x$ and $y$ should be $stack[top–2]$ and $stack[top–3]$.
Page 131: In the provedure LEV, "the root" should be $v$.
Page 142, Line 6: "from $i$" should be "from $n$".
Page 143, line 2: $T(i) \leq kn\log_2(n)$ should be $T(i) \leq k\log_2(i)$.
Page 150, SPLIT($d,T$): Delete the phrase "Delete $d$ and" and replace "detaching" with "detach".
Page 165: The second recursive call of arrayMSORT should be on $m+1$, not $i+1$.
Page 170: In the theorem statement, it should $\log_2(c)$, not $\log_2(d)$. Also, it should be noted that the proof assumes $b=1$, since this does not change the asymptotic value of $T(n)$.
Page 172, Idea: In two places, $w_1 \ldots w_m$ should be $w_1 \ldots w_m$.
Page 181: Proof is worded badly, delete "possibly not a leaf" and "the subtree rooted at".
Page 224, second lemma: "height $k$" should be "height $h$" and $k$ should be $h$ on top of the sum.
Page 246: In both the figure and the procedure statement, it should be SPLIT($d,T$).
Page 250: 12 and 13 should be exchanged in the right red-black tree.
Page 252, Line 3: "pre-order" should be "in-order".
Page 253: In the third figure, the left child of the root should be red.
Page 279: A's should be ACK's and $A(4,m)$ should be $ACK(4,m)$.
Page 299: Assume $u$ is in $S$ when $(u,v)$ is returned by DELETEMIN($H$).
Page 300, first line of algorithm: "tree" should be "forest".
Page 302: $P$ should be deleted from $G$ in the second step, the inner while loop should ENQUEUE($v$), and "at most 2" should be "0 or 2".
Page 308, Example: Delete "Not minimal".
Page 310: $z:=0$ should be $z:=\infty$. Also, $C$ should be $F$ in the second if and both else if statements.
Page 311: This page has major errors. $w$ should be $v$ for the label of the fifth line, $F(v,w)$ should be $F(w,v)$ in the second MINIMUM statement, and in the complexity analysis, $v$ should be $w$ in the two lines after the while statement and $C$ should be $F$. Also, $z:=0$ is unnecessary, the statement "$z:=\text{first component of } v's \text{ label (or } =\infty \text{ if } v=x)"$ is missing after the Dequeue statement, and "$z:=\text{first component of } t's \text{ label }$ is missing before the while loop in the complexity analysis.
Page 325, bottom: The sentence is reversed; it should be "... since the computational version is at least as hard as the yes-no version ..."
Page 327, ND Acceptance: "algorithm" should be "polynomial time algorithm".
Page 328, TSP definition: "tour" should be "Hamilton tour"; also, the graph must satisfy the triangle inequality (still NP-complete) for the algorithm to produce a simple cycle.
Page 363: "$S[i=m+j+1]=T[j+1]\text{, but } S[i+m-j]=T[j]\text{" should be } S[i=m+j+1]=T[j+1]\text{, but } S[i+m-j]\neq T[j]\text{".}
Page 374, $(aa-bbb)*$: Should be "strings made from pairs of $a$'s and triplets of $b$'s".
Page 375, bottom figure: The double arrow should be a single arrow from 4 to 1.
Page 386, last paragraph: "have size" should be "have depth"; delete "to $O(n)$".
Page 395, second for statement: $i$ should be $j$.
Page 406, CHAR: Not the usual MEMBER; go down (similar to INDEX) using COUNT fileds of children.
Page 426, Similarity: Delete "$r^m$", it follows that" and put $1/n$ in front of the left brace.
Page 444: First $(n–1)$ should be $(2n–1)$ in lower right entry of both matrices.
Page 442, bottom figure: $F$ should be $G$ and $r^4$ should be $r^6$.
Page 452: In Step 3, formula applies to the magnitude; also, in Step 5, "15 or more" should be "16 or more".
Page 453, Step 4: "inter" should be "intra" and the last sentence should note that both I and P may be out of order.
Page 481, last paragraph: Replace "0 through 9 in the leaves of" by "1 through 9 in".
Page 491, equivalent algorithm: Delete "$i$ is a multiple of $k$ and ".
Page 500: Algorithm line 5, $X[r–1:j]$ should be $X[r–1,FLIP(r, j)]$; also, figure rank 2 should all have $x=4$.
Page 522-523: For simplicity, we assume at most one wire per grid line, rather than $O(1)$ per line.
Page 523, last line: "$wT$" should be "$hT$". 