

Errata to \ The Princeton Companion to Applied Mathematics*

October 23, 2018

1. Page xii, col 2, line 3: replace "Tasleman" by "Taslaman".
2. Page 11, col 1, line -18: replace $|x - a| < \delta$ by $0 < |x - a| < \delta$.
3. Page 18, col 2, line -15: should read "we end up with a factorization $p_n(x) = a_n(x - z_1)(x - z_2) \cdots (x - z_n)$ " (the term a_n is missing).
4. Page 25, col 2, line -5: replace "Since the rows of A are the columns of A^* " by "Since the rows of A are the complex conjugates of the columns of A^* ".
5. Page 38, col 2, line 7: replace $y_{20} = 1/105$ by $x_{20} = 1/105$.
6. Page 40, col 2, 12 lines before Section 1: replace $\|F(x_k)\|$ by $\|F(x_k)\|$ (add missing right parenthesis).
7. Page 63, col 1, line 20: replace "Pierre Simon" by "Pierre-Simon".
8. Page 68, col 1, line 21: replace "ballistics during Word War I and thereafter" by "ballistics during World War I and thereafter".
9. Page 92, col 1, line 4: $kg/m \cdot s^2$ should be $kg m/s^2$.
10. Page 138, col 2, line 5: the plus sign before the epsilon squared term should be a minus sign.
11. Page 159, col 1, line 25: rH should be r_H .
12. Page 361, col 2, line 1: the sentence defining "subgraph" should be rewritten to say that V' must include all endpoints of the edges in E' .
13. Page 364, col 1, line -7: should read "if g_{jk} is the number of geodesic paths from j to k " ... "is given by $b_k = \sum \dots$ ".
14. Page 366, col 2, line 6: on the right-hand side of the approximation, the numerator should read $\bar{k}^k \exp^{-\bar{k}}$ instead of $\overline{k^k} \exp^{-\bar{k}}$.

*Collected by Nicholas J. Higham, School of Mathematics, University of Manchester, Manchester, M13 9PL, UK (nick.higham@manchester.ac.uk, <http://www.maths.manchester.ac.uk/~higham>)

15. Page 390, col 1, sentence before (15): should read $H_1 = [0, 1] \times [1 - 1/\mu, 1]$.
16. Page 640, col 1, line -12: replace "Batterman, R. W." by "Berry, M. V."
17. Page 792, col 2, line 10: replace "Steven Smale" by "Stephen Smale".
18. Page 990, col 1: replace "Smale, Steven" by "Smale, Stephen".
19. Page 979, col 1, line -6: replace "Pierre Simon" by "Pierre-Simon".
20. Page 933, col 1, line 6: delete the "dx" at the end of the of equation.