

**CORRECTIONS  
TO**

**W. Gautschi, “Numerical analysis: an introduction”, Birkhäuser,  
Boston, 1997**

**p. iv, line 6** insert

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**p. xii, line 2** insert comma after “equations”

**p. 6, line 5** update “Iserles [1992–1996]” to “Iserles [1992–1997]”

**p. 33, footnote 3** insert period at the end of the footnote

**p. 36, line –9** omit comma after “where”

**p. 39, Notes** at the end of 1st paragraph replace “[preprint]” by “[1997]”

**p. 42, Ex. 5** replace “algorithm” by “fortran program”

**p. 45, Ex. 18** replace “associative” by “distributive”

**p. 73, Eq. (1.33)** replace “ $(2k!)$ ” by “ $(2k)!$ ”

**p. 95, Eq. (2.1’)** in the denominator replace  $i$  by  $j$  (3 times)

**p. 120, §1.4, line 7** insert closing parenthesis after the closing bracket

**p. 143, Ex. 7(a)** read “polynomial” instead of “polymomial”

**p. 144, Ex. 9(a)** set “tri(n,a,b,c,u,v)” in typewriter style

**p. 144, Ex. 9(b)** set “tri” in typewriter style and interchange closing parenthesis with period

**p. 160, line –7** replace “ $(t - a)(b - t)$ ” by “ $(t - a)(b - t)w(t)$ ”

**p. 171, line 6** replace approximate sign by equal sign

**p. 192, Ex. 4, line 2** insert “and  $P_1 = \left(\frac{1}{2}, \frac{1}{2}\right)$ ” after “circle”

**p. 202, Ex. 48** replace  $E(f)$  by  $E^S(f)$  (3 times)

- p. 206, Ex. 3, lines 16–17** replace “1.809045218947...” by “1.809048475800...” and “.620549071924...” by “.620536603446...”
- p. 221** 3 lines before last display  
 replace “ $d$  numbers” by “numbers”  
 replace “ $\alpha_0 + \sqrt{\beta_1}$ ” by “ $\alpha_0 \pm \sqrt{\beta_1}$ ”  
 replace “ $\alpha_1 + \sqrt{\beta_1} + \sqrt{\beta_2}$ ” by “ $\alpha_1 \pm (\sqrt{\beta_1} + \sqrt{\beta_2})$ ”  
 replace “ $\alpha_{d-2} + \sqrt{\beta_{d-2}} + \sqrt{\beta_{d-1}}$ ” by “ $\alpha_{d-2} \pm (\sqrt{\beta_{d-2}} + \sqrt{\beta_{d-1}})$ ”  
 replace “ $\alpha_{d-1} + \sqrt{\beta_{d-1}}$ ” by “ $\alpha_{d-1} \pm \sqrt{\beta_{d-1}}$ ”
- p. 247, §8.2** replace “Theorem 4.8.2” by “Theorem 4.8.1”
- p. 261, Ex. 7, line 3** read  $y(\frac{1}{4}\pi) = 1$  instead of  $y(1) = 1$
- p. 262, line –2** insert “and  $s = 1$  or  $s = 2$ ” after “ $n = 2$ ”
- p. 304, Eq. (5.13)** replace “ $(n + k)!$ ” by “ $(n + m)!$ ”
- p. 311, lines 3–4** delete “exact” and delete “(if, as we assume,  $\lambda_{jj} \neq 0$  for all  $j$ )”
- p. 316, lines 17–18** replace  $\mu_0$  by  $\mu_1$  (twice)
- p. 459** update reference: Edelman, Alan [1997]. The mathematics of the Pentium division bug, *SIAM Rev.* 39, 54–67.
- p. 462** update reference: Gautschi, Walter [1997]. Moments in quadrature problems. Approximation theory and applications, *Comput. Math. Appl.* 33, 105–118.  
 update reference: Gautschi, Walter and Milovanović, Gradimir V. [1997]. S-orthogonality and construction of Gauss-Turán-type quadrature formulae, *J. Comput. Appl. Math.* 86, 205–218.
- p. 464** update reference: Griewank, Andreas, Juedes, David, and Utke, Jean [1996]. Algorithm 755: ADOL-C: a package for the automatic differentiation of algorithms written in C/C++, *ACM Trans. Math. Software* 22, 131–167.
- p. 467** update reference: Iserles, Arieh, ed. [1992–1997]. *Acta numerica*, Cambridge University Press, Cambridge.
- p. 468** update reference: Laurie, D.P. [1997]. Calculation of Gauss-Kronrod quadrature rules, *Math. Comp.* 66, 1133–1145.
- p. 474** correct reference: Resnikoff, Howard L. and Wells, Raymond O., Jr. [1998]. *Wavelet analysis. The scalable structure of information*, Springer, New York.

**p. 486** omit “163” after “degree of exactness”

**p. 500** in the item “Padé approximation” replace “318” by “319”