Corrections and emendations (as of 15mar13) for
A Practical Guide to Splines (revised edition)
by Carl de Boor

All items are of the form

a/*b*/*c*: A `-->` B [C]

meaning that, on **page** *a*, in **paragraph** or **item** *b*, in **line** *c*, the text A should be changed to the text B, with C an additional comment. A negative paragraph number *b* or line number *c* indicates a count from the bottom (of the page or the specified paragraph). For example, vi/4/-1 = vi/-3/2 ends in 'text.' Comments are rare; a missing B means that the text A is to be omitted; a missing A means that the text B is to be inserted.

Each emendation is preceded by an 'e'.

e17//-2: [This anticipation or assumption permits us to compute the apparent decay exponent of the error as a function of n, but there are no theorems that claim the error $\|e_n\|$ to behave exactly like βn^α for fixed β and α.]

28/Problem 2./2: $\|\lambda\|$ `-->` $\|\lambda_n\|$

34//-1: $\|\widehat{\beta}\|$ `-->` $\|\widehat{\boldsymbol{\beta}}\|$

37//-1: $\|\widehat{\alpha}\| \le 3\|\widehat{\beta}\|$ `-->` $\|\boldsymbol{\alpha}\| \le 3\|\widehat{\boldsymbol{\beta}}\|$

38/Problem 5./-2: $\sqrt{x}$ `-->` $\sqrt{|x|}$

38/Problem 5./-1: faster `-->` no faster

42/(9)/denominator: $\Delta\tau_{i+1}$ `-->` $\Delta\tau_{i-1}$

43/(13)/RHS: + `-->` −

65//4: $1, \dots, n-1$, with `-->` $0, \dots, n$, with $\tau_0 = \tau_1$ and $\tau_{n+1} = \tau_n$, hence

66/Problem 5./1: V(21) `-->` V(20)

66/Problem 5.(c)/3: $\|\widehat{\mathrm{E}}_4'\| =$ `-->` $\|\widehat{\mathrm{E}}_4^{(4)}\| =$

66/Problem 5.(c)/-1: V(21) `-->` V(20)

88/-2/-6: $f\,\mathrm{d}s/k!$ `-->` $f(s)\,\mathrm{d}s/(k-1)!$ [thank you, Delbert Franz]

89/-2/2: $(\cdot - t_{j+1})_+^0 - (\cdot - t_j)_+^0$ `-->` $(t_{j+1} - \cdot)_+^0 - (t_j - \cdot)_+^0$ [thank you, Jörg Peters]

e90/(15)/: . `-->` , $t_{j+k-1} > t_j$, while $\omega_{jk} := 0$ if $t_{j+k-1} = t_j$. [Else, look up "maxim, useful" in the index.]

90/-2/-3,-1: t_{j+1} `-->` t_{j+2}

e95//1: . `-->` (Marsden [1970]).

191/(24)Proposition/2: $\alpha_j^{\mathbf{t}}$ `-->` $\alpha_j^{\mathbf{t}}\mathrm{B}_{j,\mathbf{t}}$

212/`10 P = 1.`/: [insert below it the statement: `SIX1MP = 0.`]

212/`20 P = 0.`/: [insert below it the statement: `SIX1MP = 6.`]

212/`SIX1MP = 6./(1.+Q)`/: [move this line to right after the line `59 P = ...`]

225/`REAL ...`/: `(1) --> (N+K)`

225/`DIMENSION ...`/: [delete this line]

231/`REAL ...`/: `(1) --> (NTAU)` [twice]

231/`DIMENSION ...`/: [delete this line]

268//-3: $s_i - [\tau_i, \tau_{i+1}]f$ and $s_{i+1} - [\tau_i, \tau_{i+1}]f$ `-->` $s_i\Delta\tau_i - \Delta f_i$ and $s_{i+1}\Delta\tau_i - \Delta f_i$

314/4/4: exiting `-->` exciting [thank you, Len Bos!]

e336//: `-->` M. J. Marsden, An identity for spline functions with applications to variation-diminishing spline approximation, J. Approx. Theory **3(1)** (1970) 7–49; *p. 95.*

Answers to specific problems (at the end of chapters) are available upon reasonable request.