

- p. 7, after eq. (1.3): the vector v is an element of the linear space R^3 , not of the affine space E^3 . [10/28/01]
B. Ehrlich
- p. 8, eq. (1.4): the determinant needs to be multiplied by a factor $1/2$. This applies to the following equation too. [9/10/01]
O. Mahmood
- p. 10, eq. (1.9): the volume needs to be multiplied by a factor $1/6$. Thus value 12 in subsequent Example really is 2. [4/14/02]
K. Baker
- p. 11, Exercise 6: the answer is $9/2$, not 9. [9/10/01]
Found by O. Mahmood
- p. 21, example 2.6: the point p_6 is listed twice in the point list, once would do. Triangle 0 has only two neighbors, not three as stated in the text. [9/10/01]
Found by O. Mahmood
- p. 40, sketch 28: the factor of a_2 needs to be $1/3$, that of a_3 needs to be 1. [4/24/02]
Found by Tae Seong Kim
- p. 46, Example 4.1: the second derivative has a factor $n(n-1)$, which in this case is 6, not 3. Thus the factor 3, which appears, has to be replaced by a 6. The final result is correct, however. [10/1/01]
Found by B. Ehrlich
- p. 59, Sketch 33. The caption should say "cubic curve" instead of "cubic Bezier curve". [2/13/01]
Found by V. Zafiris
- p. 67, Figure 5.3. A uniform parametrization was used to generate this figure. [4/14/02]
Found by James Greene, Arizona State University
- p. 68, 3rd line from top. Replace " $1+1$ " by " $l+1$ ". (meaning letter "l" plus number "1") [4/4/01]
Found by V. Zafiris
- p. 68, eq. 5.18: Replace " t_P " by " t_l ". [4/4/01]
Found by V. Zafiris
- p. 70, Problem 6: The wing data may be found on the [data page](#). [4/14/02]
Found by Ron Hoppe, University of Houston-Downtown
- p. 79, sketch 47: the caption should say: a v-partial. [4/02]
Found by Chris Cera
- p. 83, Sketch 50: One intermediate Bezier point is drawn incorrectly. There are three u-direction curve evaluations in the sketch. The "back-most" evaluation is where the error occurs. One control point from the first step of the de Casteljau algorithm has been drawn on the wrong control net segment -- it belongs just below where it is drawn. [3/20/01]
Found by V. Zafiris, ZafirisV@zeus.dt.uh.edu
- p. 85, second set of de Casteljau algorithms: the input point $[0 \ 3 \ 3]$ is missing. [3/22/01]
Found by V. Zafiris
- p. 88, Example 6.11, first sentence: the reference should be to Example 6.4. [3/22/01]
Found by V. Zafiris
- p. 93, Exercise 3: it should say "elevate in the u-direction". [10/5/01]
Found by B. Ehrlich
- p. 101, Example 7.2, the reference should be to Example 6.4. [4/4/01]
Found by V. Zafiris
- p. 104, Example 7.3: The Hermite matrix entries need to be changed as follows. $x_v(0,1) = [0,3,-3]^T$, $x_u(1,0) = [3,0,-3]^T$, $x_u(1,1)=[3,0,-3]$, $x_v(1,1) = [0,3,-3]^T$, $x(0,1)=[0,3,0]^T$, $x(1,0)=[3,0,0]^T$, $x(1,1)=[3,3,0]^T$. In the Bezier patch matrix, the entry for $b_{(3,3)}$ should be $[3,3,0]^T$. [10/15/01]
Found by B. Ehrlich
- p. 108, "big" matrix: The subscript "K" should be replaced by "K-1" (five occurrences); [4/4/01]
Found by V. Zafiris
- p. 110, bottom: Figure 7.5 actually illustrates the bicubic case, not the bilinear case from the example. [1/5/01]
Found by B. Ehrlich
- p. 111, Figure 7.5. The caption should refer to Figure 7.4, not to Example 7.6. [1/5/01]
Found by B. Ehrlich
- p. 118, sketch 73. The radius of the shown circle is $2/3$, but it should be $3/2$. This means the center has to move to the right. Therefore, $c(0) = [3/2, 0]^T$. [11/17/01]
Found by B. Ehrlich
- p. 125, Sketch 80: "theta" should be "alpha". The unlabeled point and vector on the line L correspond to x and v , respectively. [4/9/01]
Found by V. Zafiris

- p. 126, top. Reflection lines may be defined differently; view a [postscript](#) version or [pdf](#) version.
- p. 130, middle of page, chain rule equation: $\{\bf s\}_i$ should be $\{\rm d\}\{\bf s\}_i$. [4/9/01]
Found by V. Zafiris
- p. 130, sketch 81: it should say "Four cubic Bezier curves." [4/02]
Found by Chris Cera
- p. 150, eqn (10.6): The superscript for d should be n-r. [11/28/06]
Found by S Mahbub Murshed
- p. 151, eqn (10.8): the subscript k-3 should read k-n. [11/1/00]
Found by B. Seshadri
- p. 151, Property 5: $K=2n-1$ should read $K=2n$. [11/5/00]
Found by B. Ehrlich
- p. 154, Figure 10.7: The knot $u_4=6$ is not drawn. [11/1/01]
- p. 155, Figure 10.8: The B-spline N^3_4 should be N^3_2 . [11/13/01]
Found by R. Holmes
- p. 157, Example 10.8: After inserting $u=1.5$, the Greville abscissae become $0, 1/3, 5/6, 3/2, 13/6, 8/3, 3$. [6/24/02]
- p. 157 (Last sentence of page): Insert each *domain* knot until it has full multiplicity in order to construct the Bezier points. [6/24/02]
Found by Chun Lee
- p. 158, Figure 10.10: The junction Bezier points (solid circles) are difficult to see in the figure. [6/24/02]
Found by Chun Lee
- p. 160: Twice in the first paragraph, instead of $n+1$ knot intervals, it should read $2n-2$ knot intervals. Therefore, the knot sequence takes the form $\delta_0, \dots, \delta_{2n-3}, \dots, \delta_{K-2n}, \delta_0, \dots, \delta_{2n-3}$. The list of de Boor points that must overlap is incorrect also. It should read $\ddot{d}_0 = \ddot{d}_{D-n}, \ddot{d}_1 = \ddot{d}_{D-(n-1)}, \dots, \ddot{d}_{n-1} = \ddot{d}_{D-1}$. The footnote at the bottom of the page is a bit misleading: \ddot{d}_3 is not constrained by the periodic conditions. [10/5/01]
- p. 161, eq. (10.11): the term N^{n-1}_1 should be N^{n-1}_{i-1} . [11/28/00]
Found by B. Ehrlich
- p. 161, eq. (10.13): the term N^{n-1}_1 should be N^{n-2}_{i-1} . All superscripts in this equation should be $n-2$. [11/28/00]
Found by B. Ehrlich
- p. 174, Ex. 11.4: the matrix should be:

$$\begin{matrix} 1 & 0 & 0 & 0 & 0 \\ 3/2 & 7/2 & 1 & 0 & 0 \\ 0 & 1 & 4 & 1 & 0 \\ 0 & 0 & 1 & 7/2 & 3/2 \\ 0 & 0 & 0 & 0 & 1 \end{matrix}$$
. [12/05/01 and 6/20/03]
Found by B. Ehrlich and T. Meyer
- p. 188, displayed equations: should all have a superscript "1". [4/9/01]
Found by V. Zafiris
- p. 190, Sketch 101: A dotted line is missing. Please see this [updated sketch](#). [11/3/04]
- p. 193, Problem 2: $[3,0,0]$ should read $[4,0,0]$. [12/05/01]
Found by B. Ehrlich
- p. 197, Example 13.2: The new weights in standard form are $1, 2/\sqrt{2}, 1$. [01/19/01]
Found by M. Bara
- p. 198, Figure 13.2: "0.1 to 0.9" should say "0.1 to 10" [11/14/01]
Found by B. Ehrlich
- p. 211, Exercise 3.3: the x-coordinate of the point on the curve is $-22/32$. The derivative vector is missing a factor of 3. [10/5/01]
Found by B. Ehrlich
- p. 215, Exercise 6.8: the control point b_{11} has a missing y-coordinate. It should be $1/2$. The control point b_{21} has a y-coordinate of 0, but this should be a 1. [10/5/01]
Found by B. Ehrlich
- p. 218, Exercise 12.3: the third row should have z-coordinates $0, 4/3, 8/3, 4$. [12/5/01]
Found by B. Ehrlich