Geometric Continuity of Curves and Surfaces

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Errata

p. xv$_3$: is highest common factor, ought to be highest factor.

p. 22^7: is $\sum_{j=0}^{n} a_j g_{i+j,j+n+1}$, ought to be $\sum_{j=0}^{n} a_j g_{i+j,i+n+1}$.

p. 23^{2,3}: is

$$\boldsymbol{s}_{i,i+n} = c_i \tilde{\boldsymbol{q}}_{i,i+n} + \sum_{j=i+1}^{i+n-1} y_{i,j-i+1} \boldsymbol{h}_{j,i+n},$$
$$\boldsymbol{t}_{i,i+n} = c_i \tilde{\boldsymbol{p}}_{i,i+n-1} + \sum_{j=i+1}^{i+n-1} y_{i,j-i+1} \boldsymbol{g}_{j,i+n-1}.$$

ought to be

$$\boldsymbol{s}_{i,i+n} = c_i \tilde{\boldsymbol{q}}_{i,i+n} + \sum_{j=i+1}^{i+n-1} y_{i,j-i+1} \boldsymbol{h}_{j,i+n}, \qquad \text{where } \tilde{\boldsymbol{q}}_{i,i+n} = K_{i+n}(\tilde{p}_{i,i+n}),$$
$$\boldsymbol{t}_{i,i+n} = c_i \tilde{\boldsymbol{p}}_{i,i+n-1} + \sum_{j=i+1}^{i+n-1} y_{i,j-i+1} \boldsymbol{g}_{j,i+n-1}, \text{ where } \tilde{\boldsymbol{p}}_{i,i+n-1} = K_{i+n}(\tilde{p}_{i,i+n-1}).$$

p. 44^3: is Equation (3.6), ought to be Equation (3.7).

p. 57, Figure 3.9: is c_2, ought to be $\tilde{c}_2$ (twice).

p. 71^{11}: is $\boldsymbol{q}(s,u)$ and $\boldsymbol{r}(v,t)$, ought to be $\boldsymbol{q}(v,t)$ and $\boldsymbol{r}(u,s)$.

p. 76^7: is

$$\underline{\boldsymbol{p}}_{i,u_{i+1}} = b_{i,1} \overline{\boldsymbol{q}}_{i,u_i} + c_{i,1} \overline{\boldsymbol{q}}_{i,s_i}, \tag{4.15}$$

ought to be

$$\underline{\boldsymbol{p}}_{i,u_{i+1}} = b_{i,1} \underline{\boldsymbol{q}}_{i,u_i} + c_{i,1} \underline{\boldsymbol{q}}_{i,s_i}, \tag{4.15}$$

p. 127$_{12}$: is choosen, ought to be chosen.

p. 172$_6$: is f_t and g_u, ought to be f_t^n and g_u^n.

p. 204_1: is

$$a_{i+1} = p_i(u_{i+1}) = \frac{c_{i+1} - c_i}{6} h_i^2 + \frac{c_i}{2} h_i^2 - b_i h_i + a_i .$$

ought to be

$$a_{i+1} = p_i(u_{i+1}) = \frac{c_{i+1} - c_i}{6} h_i^2 + \frac{c_i}{2} h_i^2 + b_i h_i + a_i .$$

p. 205_8: is $\boxed{a < u_1 < \cdots < n_N = b}$, ought to be $\boxed{a < u_1 < \cdots < u_N = b}$.

p. 206_{10}: is $\boxed{e'(t) < -2M_2 h_i}$, ought to be $\boxed{e'(u) < -2M_2 h_i}$.

p. $207^{5,6}$: is

$$\frac{h_{i-1}}{h_{i-1} + h_i} d_{i-1} + 2d_i + \frac{h_i}{h_{i-1} + h_i} d_{i+1} =$$
$$f[u_{i-1}, u_i, u_{i+1}] - \frac{h_{i-1}}{h_{i-1} + h_i} f''(u_{i-1}) - 2f''(u_i) - \frac{h_i}{h_{i-1} + h_i} f''(u_{i+1}).$$

ought to be

$$\frac{h_{i-1}}{h_{i-1} + h_i} d_{i-1} + 2d_i + \frac{h_i}{h_{i-1} + h_i} d_{i+1} =$$
$$6f[u_{i-1}, u_i, u_{i+1}] - \frac{h_{i-1}}{h_{i-1} + h_i} f''(u_{i-1}) - 2f''(u_i) - \frac{h_i}{h_{i-1} + h_i} f''(u_{i+1}).$$