Corrections to


Last updated: November 15, 2009.

page 7, equation (3.11):
Switch the $j$ and $k$ subscripts on the $R$'s in the second formula:

$$Y_{jk}^i = \sum_{\kappa=1}^{r} \sum_{j=1}^{p} \sum_{q=1}^{r} R_{\kappa}^{q} \iota(D_{j} \xi_{\kappa}^{i}) - R_{\kappa}^{q} \iota(D_{k} \xi_{\kappa}^{i})$$

(page 7, equation (3.11):
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(3.11)

page 8, line –1:
Change $E_{\alpha} J = (E_{\alpha} J_1, \ldots, E_{\alpha} J_q)$ to $E_{\alpha} J = (E_{\alpha} J_1, \ldots, E_{\alpha} J_q)$

page 11, third displayed formula:
The last 3 expressions should have a minus sign in front:

$$d_{\mathcal{H}} d_{\mathcal{V}} K = - d_{\mathcal{V}} d_{\mathcal{H}} K = - d_{\mathcal{V}} \left[ \sum_{j=1}^{p} (D_j K) \varpi^j \right]$$

$$= - \sum_{j=1}^{p} \left[ d_{\mathcal{V}}(D_j K) \wedge \varpi^j + (D_j K) \ d_{\mathcal{V}} \varpi^j \right]$$

$$= - \sum_{j=1}^{p} \left[ A_{D_j K}(\vartheta) + \sum_{i=1}^{p} (D_i K) B_j^i(\vartheta) \right] \wedge \varpi^j.$$

page 12, line 7:
Change “$n$th order differential functions” to “$(n+1)$st order differential functions”

page 12, line 10:
Change $n$ to $n+1$ twice in the formula $(x, u^{(n+1)}) = j_{n+1}s|_{z}$.

page 14, equation (4.10):
The first summation should only be over $k$:

$$D_j I^i + \sum_{k=1}^{p} Y_{jk}^i I^k + \sum_{\alpha=1}^{q} \mathcal{B}_{\alpha}^i(J^\alpha) = 0.$$

(4.10)

page 15, equation (4.11):
There is a missing minus sign on the right hand sides:

$$DI = - \mathcal{B}(J) = - \sum_{\alpha=1}^{q} \mathcal{B}_{\alpha}^i(J^\alpha),$$

(4.11)
page 15, equation (4.12):
There is a missing “\& \varpi” on the right hand sides:
\[
d_V \varpi = B(\vartheta) \& \varpi = \sum_{\alpha=1}^{q} B_\alpha(\vartheta^\alpha) \& \varpi.
\] (4.12)

page 15, equation (4.13):
Delete the minus sign on the right hand side:
\[
\mathcal{D} I = \kappa J.
\] (4.13)

page 15, line 12:
Change \( I = -\frac{1}{2} \kappa^2 \) to \( I = \frac{1}{2} \kappa^2 \).

page 18, line –8:
Change the term \( K \mathbf{t}_2 \) to \( K \mathbf{n}_2 \).

\* Thanks to Francis Valiquette for pointing out a number of these corrections.