

**Typos and Errors In
Differential Geometry and Lie Groups
A Computational Perspective, Vol. I**

by
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94, line 2, change “using the Jacobi identity” to “using bilinearity.”

121, last line, change $\operatorname{Im} H$ to $\operatorname{Im} \varphi$.

127, line 4, change $u = (x_1, \dots, x_n, y_1, \dots, y_n) \in C^n$ to $u = (x_1 + iy_1, \dots, x_n + iy_n) \in \mathbf{C}^n$.

127, lines 6,7, missing commas in the vectors.

130, after the formula for the matrix $\rho(A)$, change $\theta \in [-\pi, \pi]$ to $\theta \in [0, 2\pi)$ and the equation for $\cos \theta/2$ to $\cos(\theta/2) = a$.

133, in the caption of Figure 5.2, \mathbf{RP}^n should be \mathbf{RP}^1 .

158, change $\theta \in [-\pi, \pi]$ to $\theta \in [0, \pi)$, and $|a|$ to a .

184, missing { and } on the right-hand side

of the definition of $so(n, 1)$ at the bottom of the page.

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434, in Proposition 15.5, insert “unique” before \mathbf{R} -linear.

460, In Proposition 16.7, delete “smooth vector field V along a .”

493, middle of the page, change $Z_k(q)$ to $Z_k(p)$.

563, in Proposition 19.1, change “Lie algebra” to “Lie group”

577, line -13, change “along with the fact that $d\phi_1$ ” to “along with the fact that $d\phi_1$ is linear.”