

**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.”

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  $a$ .

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”