Correction to: Differential Geometry and Lie Groups

Jean Gallier and Jocelyn Quaintance

Correction to:

J. Gallier, J. Quaintance, *Differential Geometry and Lie Groups*, Geometry and Computing 13,
<https://doi.org/10.1007/978-3-030-46047-1>

The book was inadvertently published with some typesetting errors, which have now been corrected. The details of the corrections are as follows:

Chapters 3–5: Proposition, Theorem, and Corollary environments were incorrectly numbered with separate counters: Proposition 3.1, Theorem 3.1, Corollary 3.1, etc. The numbering has been revised to be consecutive, e.g., Proposition 3.1, Theorem 3.2, Corollary 3.3, etc.

Page 70, line 11: “ mu_2 ” has been replaced with the correctly typeset version: “ μ_2 ”.

Page 83, lines 1 and 2: The equation has been replaced with the following corrected version:

$$\begin{aligned} f(v_1, \dots, v_n) &= \left(\sum_{\sigma \in \mathfrak{S}_n} \operatorname{sgn}(\sigma) a_{\sigma(1),1} \cdots a_{\sigma(n),n} \right) f(u_1, \dots, u_n) \\ &= \det(A) f(u_1, \dots, u_n), \end{aligned}$$

The updated online version of these chapters can be found at

https://doi.org/10.1007/978-3-030-46047-1_2

https://doi.org/10.1007/978-3-030-46047-1_3

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