

**Typos and Errors In
Differential Geometry and Lie Groups
A Second Course, Vol. II**

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Page 20, line 5, insert “dimensional” between “finite” and “vector.”

Page 20, in Proposition 2.3, insert “dimensional” between “finite” and “vector.”

Page 82, in (3), read “sends i and j to 1 and 2 respectively.”

Page 88, line -3, $\binom{n}{d}$ should be $\binom{d}{n}$.

Page 405, line 5, insert “a” between “is” and “finitely.”

Page 405, line 7, delete the extra “the” after “devoted to.”

Page 405, line 16, insert “a” between “of” and “Lie.”

Page 406, line 3, delete FG before “and.”

Page 410, middle of the page, $\varphi_g: M \rightarrow M$ should be $\varphi_g: F \rightarrow F$.

Page 428, in Definition 9.13, add that the

action of $\mathbf{GL}(V)$ on V is given by $f \cdot u = f(u)$, and note that it is effective.

Page 429, add to (b) that more precisely, the maps $\varphi_{\alpha,b}: \pi^{-1}(b) \rightarrow V$ are linear isomorphisms.

Page 441, in the second Remark, delete the extra occurrence of ξ_C before “of.”

Page 453, line -3, delete “ensuremath.”

Page 457, in the proof of Proposition 9.25, two pairs $((b_1, g_1), f_1)$ and $((b_2, g_2), f_2)$ are equivalent iff $b_1 = b_2$ and $g_1 \cdot f_1 = g_2 \cdot f_2$. The map θ is given by $\theta([(b_1, g_1), f_1]) = (b_1, g_1 \cdot f_1)$. It is bijective by definition.

Page 467, line -4, change $T_p M$ to $T_p B$.

Page 468. line 10, insert “a” before “the covariant.”

Page 588, line -1 is a duplicate of the exact sequence on line -3.