

Errata for the Second Edition of *Mechanics and Symmetry*, as of January, 2000.

- Page 5, in Eq 1.1.19, the summation should only be over the $p_i \dot{q}^i$, with the H is outside the summation.
- Page 397, formula 12.3.6 should have only g on both sides not a g^{-1} .
- Page 400, first line of formula 12.3.25 the very last letter should be a b (not an a).
- Page 401, line -3: "with respect to h in the direction" (replace g by h).
- Page 421 at the top; The referenced formulas should be 13.3.2 and 13.3.5.
- Page 422, in prop 13.4.2, T_e^*G as the domain of definition of H should be T^*G .
- Page 458, last line of formula 14.3.20: there should be a minus in front of it. Same in formula 14.3.21.
- Page 477 line -3, before the period: The S^2 should read $S^2_{\|\mathbf{f}\|}$.
- Page 348 line -2 of the Lie-Weinstein theorem: The x_0 should be z_0 .
- Page 370 in the long exact sequence, the last term has a stray parenthesis '('.
- Page 322 in the middle of the page the commutator relation has an A is missing on the right. It should be: $[A(\xi), A(\eta)] = A([\xi, \eta])$.
- Page 323, third paragraph. After the semicolon it should read 'we require continuity of $g \in G \mapsto |\langle \psi, \tau(g)\varphi \rangle| \in \mathbb{C}$, which is well defined for ...'
- Page 408, starting with 3 lines above (12.4.14) there are four R (with or without indices) that should be bold.
- Page 409, formula (12.4.18) should have a ξ on the left hand side instead of ω .
- Page 409, Three lines above (12.4.19) ' $\xi \in \mathcal{D}$ ' should be replaced by ' $\xi \in \mathfrak{g}$ '.