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Introduction to Mechanics and Symmetry. Jerrold E. Marsden and Tudor Ratiu Texts in Applied Mathematics vol. 17, Springer-Verlag, 1994 Second Edition, 1999 Current 2nd Printing, 2003 INTERNET SUPPLEMENT (December 1998) SOLUTIONS MANUAL for the Second Edition UPDATES. Additional volumes and supplements are also in preparation.

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Symmetry in Mechanics: A Gentle, Modern Introduction is an undergraduate textbook on mathematics and mathematical physics, centered on the use of symplectic geometry to solve the Kepler problem. It was written by Stephanie Singer, and published by Birkhäuser in 2001.

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