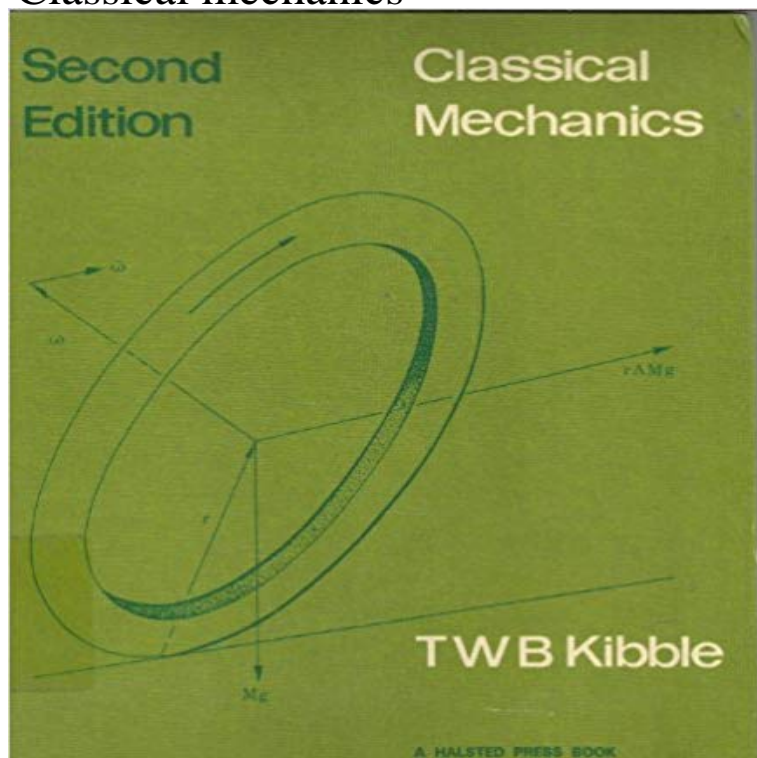


Classical mechanics



This book, based on a course given to physics students at Imperial College, deals with the mechanics of particles and rigid bodies. It is designed for students with some previous acquaintance with the elementary concepts of mechanics, but the book starts from first principles, and little detailed knowledge is assumed. An essential prerequisite is a reasonable familiarity with differential and integral calculus, including partial differentiation. However, no prior knowledge of differential equations should be needed. Vectors are used from the start in the text itself; the necessary definition and mathematical results are collected in an appendix.

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