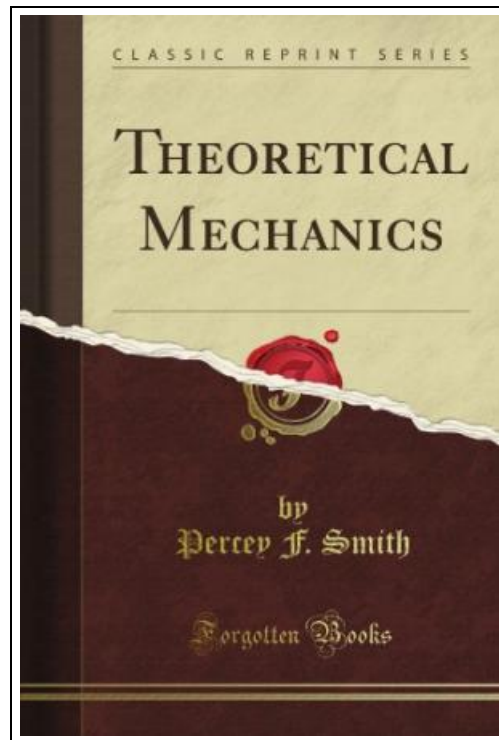


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Forgotten Books. Paperback. Condition: New. 308 pages. Dimensions: 9.0in. x 6.0in. x 0.7in. The study of Mechanics as presented in this volume is founded upon a course in mathematics extending through the Calculus. It is assumed, moreover, that the student has already become familiar with the fundamental ideas of force, energy, and work through such preliminary courses as are included in textbooks on General Physics. In short, this volume presents the subject of Mechanics in that relation to other mathematical subjects which has become established in the curricula of the technical schools of this country. It should be emphasized, however, that the volume includes, for purposes of review, a discussion of the fundamental notions and many simple exercises involving these notions. Attention may be called to the arrangement in the text. This arrangement is founded upon experience in teaching the subject for many years in the Sheffield Scientific School of Yale University. In 1903 Professor E. R. Hedrick prepared a mimeographed text which followed the conventional arrangement of treating statics first. This text was used for one year. It then developed that an obvious disadvantage existed in not taking up directly upon the conclusion of the study of the Integral Calculus the calculation of the integrals of Mechanics involving centers of gravity and moments of inertia. The point was that this formal integration out of the way, the continuous study of Mechanics proper need not afterwards be interrupted. Acting upon this conviction, the present text was prepared essentially as here published in 1907, and has since that time been used in mimeographed form. The general plan of the arrangement is that a single problem may at any one time be under discussion. Thus, when the question of energy of rotation is solved, the appearance of the moment of inertia integral presents...



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