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Analytic Mechanics (Classic Reprint)

By John Anthony Miller

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English Brand New Book ***** Print on Demand *****.Excerpt from Analytic Mechanics We have attempted to write a rigorous, teachable introduction to the study of mechanics. We believe that certain fundamental principles of mechanics, used in common by students in the various branches of engineering, in theoretical physics, and in celestial mechanics are essential to the satisfactory progress of a student in any of those fields. To this I end, we have chosen as our subject matter only such fundamental theorems. We have not attempted to develop the special methods that are used in some branches of these sciences but not in others, because having fixed the principles on which these methods are based, they are better studied in treatises on those subjects. We have, however, indicated the fields in which certain processes are employed and have told the student where more detailed information can be found. One purpose of the work is to develop facility in the application of mathematical formulae to the investigation of physical phenomena. We have observed about the same degree of rigor that is observed in the best modern undergraduate texts...



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