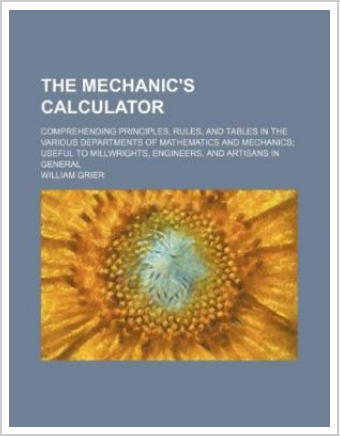

The Mechanic s Calculator; Comprehending Principles, Rules, and Tables in the Various Departments of Mathematics and Mechanics Useful to Millwrights, Engineers, and Artisans in General

By William Grier

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1836 Excerpt: . the radii of the circles directly, and the squares of the times inversely, also the squares of the times are as the cubes of the distances. When a body revolves in a circle by means of central forces, its actual velocity is the same as it would acquire by falling through half the radius by the constant action of the centripetal force. From these facts the following rules for central forces are derived. veloc. of rev. body2X weight of body 5.--T: --T--j--V--r--r-oT-= centri force. radius of circle oi revolution X 32 velocity of revol. body8 X weight of body centrifugal force X 32 of the circle of revolution. centrif. force X 32 X rad. circle 7-veloc. of revolving body = we Sht of the re. volving body. rad. circle X 32 X centrifugal force weight-)= velocity. 9. There will be no difficulty in applying what...

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