



## An Elementary Treatise on Dynamics; Containing Applications to Thermodynamics, with Numerous Examples (Paperback)

By Benjamin Williamson

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. 1900 edition. Excerpt: .having the acceleration-centre as centre. 19. Find the points of the body for which the acceleration normal to the path described by the point is zero. Take the centre of rotation as origin of  $fij$ ; any point is describing a circle round it; hence the line joining the origin to  $71$  is the normal to the path of the latter; and if  $N$  be the normal acceleration, and  $r$  the distance from the instantaneous centre of rotation, Hence, at any instant, the points for which  $N=0$  lie on the circle?  $+ - = SV$ . This circle passes through the instantaneous centre of rotation, touches the curve  $G$ , and has a radius  $= R$ . For the reason stated in Ex. 21 it is called the circle of inflexions.--Differential Calculus, Art. 290. 20. Determine the points of the system for which the acceleration along the path...



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