



## Calculus, with Applications; An Introduction to the Mathematical Treatment of Science

By Ellen Hayes

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 Excerpt: . distance; what will be its velocity on reaching the surface of the earth, all forces besides the earth's attraction being disregarded? We have JW-, (-!), V2 (32.155) (3960) (5280)., v =-miles per second, 5280 F = 7 miles per second, approximately. By great heights we may mean such various heights as those attained by the kites flown at the Blue Hill Observatory (8000 ft.), or by AndreVs balloon; or the height of a meteorite when it first becomes visible. In the practical consideration of the velocities of bodies falling from such heights, the resistance of the air must be taken into account. For a discussion of the vertical motion of a body in a resisting medium, see Greenhill s Calculus, Art. 76. 64. Let a body free to move be subjected to an attractive force that varies directly as the distance of...



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