A Compendium of Facts and Formulae in Pure Mathematics and Natural Philosophy

By George Robarts Smalley

Rarebooksclub.com, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1862 edition. Excerpt: .XXXVII. Parallax.--The angle subtended at an object by the line which joins two different points from which it may be viewed. ASTRONOMICAL RESULTS AND LAWS. 1. The motions of all the planets in their orbits are from west to east, and are all subject to Kepler s Laws. 2. Kepler s Laws.--(1) The radii vectores describe areas in one plane proportional to the time. (2) The orbits are ellipses having the sun in one of their foci. (3) The squares of the periodic times are proportional to the cubes of the mean distances from the Sun. 3. Deductions from Kepler s Laws. From Law (1)--the force which acts upon the bodies tends always to the centre of the sun. From Law (2)--the force varies inversely as the square of the distance. From Law (3)--the absolute force is the same for all the planets. 4....

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