



A Text-Book of General Astronomy; For Colleges and Scientific Schools (Paperback)

By Charles Augustus Young

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. 1888 Excerpt: .until the tension of the cord prevents any further separation. Its tension will then measure the lifting force of the moon which tends to draw both the particles A and B away from C. 468. The Sun s Action.--This is precisely like that of the moon, except that the sun s distance, instead of being only sixty times the earth s radius, is nearly 23,500 times that quantity. Since the tideraising power varies as the cube of the distance inversely, while the attracting force varies only with the inverse square, it turns out that although the sun s attraction on the earth is nearly 200 times as great as that of the moon, its tide-raising power is only about twofifths as much. When the sun is over head or under foot, his disturbing force diminishes gravity by about-5-5-5-0xns 469. Statical Theory of the Tides.--If the earth...



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