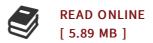




## Fluidity and plasticty by Eugene C. Bingham .

By Eugene Cook Bingham

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 130 pages. Dimensions: 9.7in. x 7.4in. x 0.3in. 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. 1922 edition. Excerpt: . . . Relative Efflux Of Metallic Lead Through A Small Orifice At Various Temperatures (after Werigen, Lewkojeff And Tammann) When a wire, which is stretched by a weight, is subjected to torsional vibrations, the amplitudes of the vibrations form a series in geometrical progression, and therefore the logarithmic decrement of the amplitude is a constant. A part of the energy of vibration is given to the surrounding atmosphere and a part is transmitted to the support, but a portion of the energy is dissipated within the wire itself. It is generally agreed that this loss is due to the lack of perfect elasticity in the wire. In other words, the wire when subjected to shearing stress suffers permanent deformation even though the stress is not equal to the elastic limit. This deformation causes a shift in the position of rest, so that as the pendulum passes...



## Reviews

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