



Report - National Advisory Committee for Aeronautics Volume a - A - 13-23

By United States Aeronautics

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. 1918 Excerpt: .curves, whose ordinates he halfway between those of the two sides of the hysteresis loops.--Trans. They pass through the tips of the loops, and depend on the maximum amount to which the stress has been raised, or, in practice, upon the Fio. 61.--Tost IX Hysteresis loops for the shear characteristic (fabric G). excess stresses encountered by the envelope during flight. Since the stresses occurring in practice are decidedly less than the critical stress (that which produces folds) only the central part of the curve is of importance. If now we go over into three dimensions and for each value of the shearing stress plot a surface representing the shear as a function of the longitudinal and of the lateral tension, the family of surfaces so produced forms the shear characteristic in the form described on page 190. Now in figure 61 we see that for slight...



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