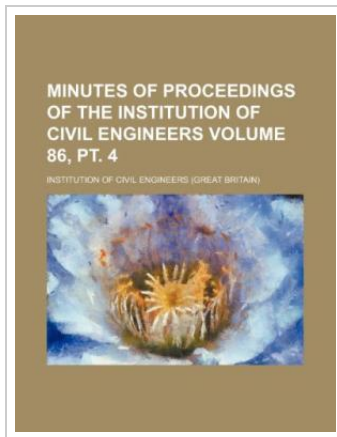




Minutes of Proceedings of the Institution of Civil Engineers Volume 86, PT. 4

By Institution Of Civil Engineers

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. 1886 Excerpt: .modulus E_2 for the ends AF and CG, it will follow by the geometric theorem, that the area ABD will be to the area AFK as E_2 is to $2J$, because the slope at A is common to both curves. But again, if the inequality of modulus takes place in the other direction, i.e. if the modulus in one flange of the strut is throughout greater than in the other flange, it will follow that the area ABD must be greater than the area AFK (or vice versa) by a constant quantity. In the latter case, the reduction of strength in short columns would be relatively greater Fig. 12. than in long columns; and a very short column with fixed ends would be theoretically less strong than a similar column with round ends.1 For practical purposes, however, the limiting effect of these...



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