



The theory of structures

By Charles Milton Spofford

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 100 pages. Dimensions: 9.7in. x 7.4in. x 0.2in. 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. 1911 edition. Excerpt: . . . all the diagonals had the same slope, and multiplication of the chord index stresses by the ratio of horizontal to vertical projection of the diagonal gave actual stresses. It is obvious that in order to follow this same method in the truss under consideration, some modification must be adopted. The simplest method in this case is to correct the index stresses in bars C2L3 and 134, before writing chord index stresses. The best method of accomplishing this is to multiply Fig. 146. --Deal Panel Loads and Index Stresses. Single-Track Through Non-Parallel Chord Pratt Truss. the index stress in each of these bars by the ratio between its vertical projection and that of diagonal U1L2, that is, multiply the index stress in 2L3 by J, and that in U3Li by . The correctness of this method is illustrated by the following example: Let V, ,...



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