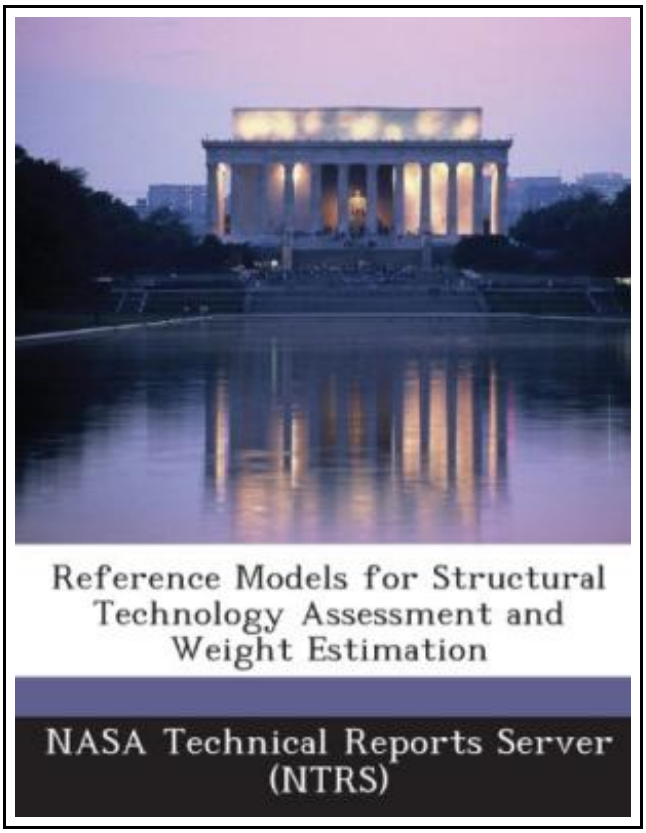
Reference Models for Structural Technology Assessment and Weight Estimation



Filesize: 6.75 MB

Reviews

It is easy in study better to understand. Of course, it is actually play, nonetheless an amazing and interesting literature. I am quickly could possibly get a satisfaction of reading through a published ebook.

(Ms. Lucinda Koelpin)

REFERENCE MODELS FOR STRUCTURAL TECHNOLOGY ASSESSMENT AND WEIGHT ESTIMATION

DOWNLOAD

To read **Reference Models for Structural Technology Assessment and Weight Estimation** eBook, make sure you follow the hyperlink listed below and save the document or gain access to other information that are highly relevant to REFERENCE MODELS FOR STRUCTURAL TECHNOLOGY ASSESSMENT AND WEIGHT ESTIMATION ebook.

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 24 pages. Dimensions: 9.7in. x 7.4in. x 0.1in.Previously the Exploration Concepts Branch of NASA Langley Research Center has developed techniques for automating the preliminary design level of launch vehicle airframe structural analysis for purposes of enhancing historical regression based mass estimating relationships. This past work was useful and greatly reduced design time, however its application area was very narrow in terms of being able to handle a large variety in structural and vehicle general arrangement alternatives. Implementation of the analysis approach presented herein also incorporates some newly developed computer programs. Loft is a program developed to create analysis meshes and simultaneously define structural element design regions. A simple component defining ASCII file is read by Loft to begin the design process. HSLoad is a Visual Basic implementation of the HyperSizer Application Programming Interface, which automates the structural element design process. Details of these two programs and their use are explained in this paper. A feature which falls naturally out of the above analysis paradigm is the concept of reference models. The flexibility of the FEA based JAVA processing procedures and associated process control classes coupled with the general utility of Loft and HSLoad make it possible to create generic program template files for analysis of components ranging from something as simple as a stiffened flat panel, to curved panels, fuselage and cryogenic tank components, flight control surfaces, wings, through full air and space vehicle general arrangements. This item ships from La Vergne,TN. Paperback.

Read Reference Models for Structural Technology Assessment and Weight Estimation Online
Download PDF Reference Models for Structural Technology Assessment and Weight Estimation

Related Kindle Books

[PDF] Animalogy: Animal Analogies

Follow the hyperlink below to download "Animalogy: Animal Analogies" file.

Save Document »

[PDF] The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up

Follow the hyperlink below to download "The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up" file.

Save Document »

[PDF] God Loves You. Chester Blue

Follow the hyperlink below to download "God Loves You. Chester Blue" file.

Save Document »

[PDF] Good Night, Zombie Scary Tales

Follow the hyperlink below to download "Good Night, Zombie Scary Tales" file.

Save Document »

[PDF] Molly on the Shore, BFMS 1 Study score

Follow the hyperlink below to download "Molly on the Shore, BFMS 1 Study score" file.

Save Document »

[PDF] Yearbook Volume 15

Follow the hyperlink below to download "Yearbook Volume 15" file.

Save Document »