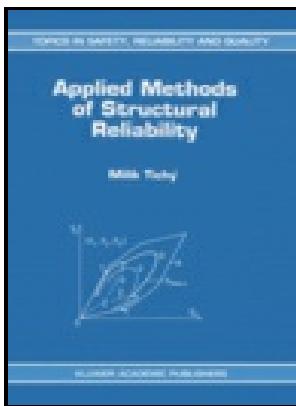


Dynamic models for structural plasticity

Springer-Verlag - Dynamic Models for Structural Plasticity



Description: -

- Plastic analysis (Engineering)
 - Deformations (Mechanics)
 - Plasticity -- Mathematical models. Dynamic models for structural plasticity
 - Dynamic models for structural plasticity
- Notes: Includes bibliographical references and index.
This edition was published in 1993



Filesize: 56.27 MB

Tags: #Dynamic #Models #for #Structural #Plasticity

Dynamic models for structural plasticity (1993 edition)

The dynamic behaviour of elastic-plastic structures is much more difficult to predict in comparison with the corresponding quasi-static one because of complicated loading conditions and the effect of inertia. Here we are concerned with mechanics of both static and dynamic deformation processes.

Simple dynamic models of elastic

These deformations are commonly used in sheet metal forming operations to produce lightweight parts of any particular shape.

Simple dynamic models of elastic

The major issue to be addressed is which structural and constitutive properties are important for calculating response to either static or brief but intense dynamic loads. Wikipedia citation Copy and paste this code into your Wikipedia page.

Simple dynamic models of elastic

Finally, the validity of the models proposed for real structures is verified by the impact tests on simply supported beams. Edited by link works Created by an anonymous user Imported from. The purpose is to use typical material properties and structural characteristics to calculate the deformation for certain types of load; in particular to find the final deflection and shape of the deformed structure and to illustrate how the development of this final shape depends on the constitutive model used to represent the material behavior.

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