

Ankündigung eines Gastvortrages

im Rahmen des Mechanik Seminars

zum Thema

PROBLEMS OF MECHANICS FOR ANISOTROPIC INHOMOGENEOUS SHELLS ON THE BASIS OF DIFFERENT MODELS

Ort:

Technische Universität Berlin, Gebäude MS,

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Gastdozent:

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Abstract:

Approaches to the solution of linear and geometrically nonlinear problems of mechanics (statics and dynamics) of shells on the basis of discrete-continual methods in classical, refined, and spatial formulations along with the basic principles and equations of classical, refined, and spatial models for anisotropic inhomogeneous shells with variable geometrical and mechanical parameters are presented. The approaches developed are realized in the form of soft ware – based complexes. The results of an investigation into the stress state and dynamic characteristics of shells with various shape and structure are analyzed depending on the variation of basic parameters. Calculations of specific structural members are carried out.