

REVIEW OF STUDIES IN CREEP THEORY CONDUCTED AT INSTITUTE OF TECHNICAL MECHANICS OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE AND STATE SPACE AGENCY OF UKRAINE

An overview of the studies associated with the creep theory and conducted at the Institute of Technical Mechanics of the National Academy of Sciences of Ukraine and the State Space Agency of Ukraine (ITM, NASU&SSAU) is provided. The method of a parametric prolongation (time) for the problems of shells buckling in creep is employed. Shells buckling in creep considering plastic deformations in preliminary complex loading and stiffened shells buckling in creep are studied. The data of experimental investigations are presented.

Keywords: *theory of creep, rocket and space technology, buckling in creep, shell, critical time, experiment.*

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