Professor Arnold Sergeevitch Volmir (1910 – 1986) delivering the keynote lecture at the All-Union Conference on Plates and Shells in the city of Dnepropetrovsk in 1969

Selected publications:


PARTIAL INTRODUCTION: During the next decades more and more shell-type structures in various areas of technology will be made out of composite materials. This refers also to toroidal shells encountered in spacecraft, in submarine structures, as well as in other areas of technology. In this connection it is important to investigate the stability of toroidal shells made out of composite materials having different elastic characteristics in various directions. To solve this problem we shall make use of the finite element method as the most suitable for computer implementation…