

Report of the department “Theory of elasticity and plasticity” of IMM ANAS for 2020.

On scientific activity.

6 research associates including 3 ass.prof., 3 PhD., 1 junior researcher, senior laboratory assistant, translator and engineer work at this department.

In the department scientific works on “**Bending stability and vibrations of nonhomogeneous and anisotropic structural elements are carried out**” on the report period, 4 papers (3 abroad), 3 theses published. 3 papers were accepted for publication, and 3 paper was prepared for publication.

Work B. Study of stability problems and inherent vibrations for homogeneous and inhomogeneous shells lying on an elastic foundation. (Kh. I. Musayev).

Work C. Dynamic stability of a rectangular orthotropic plate with a curved structure. (T.U. Zeynalova).

Work D. Free oscillations inhomogeneous pipe on its thickness and length, considering the resistance of the environment. (G. R. Mirzayeva).

Work E. Solution of the main boundary value problem for a transversely isotropic shell with a rigidly fixed front surface. (F. S. Huseynov).

Work F. The occurrence of cracks in stressed places of elements of shallow shells. (E. H. Shahbandayev).

Work G. Determination of free vibrations for a cylindrical shell with a fixed open profile. (A.H.Movsumova)

On scientific - organizational activity.

In the department every two weeks (on Fridays), considering the conditions of quarantine, a seminar is held. It discusses the reports of the staff of the department, doctoral students, as well as, in some cases, reports of employees of other scientific institutions. The employees of the department take an active part in all-institute seminars and scientific conferences, where they make reports.

At the seminars of the department, as necessary, discussions of dissertations are held, as well as the scientific results obtained by employees of other scientific institutions.

The employees of the department continue their scientific and pedagogical activities.

G.R.Mirzayeva works as a teacher (0.5 staff) at the Academy of State Administration under the President of the Republic of Azerbaijan, as well as a teacher (hour) at the Azerbaijan State Maritime Academy.

G.R. Mirzayeva took part in the 42nd scientific conference of students and undergraduates, dedicated to the 97th anniversary of the national leader Heydar Aliyev.

Senior laboratory assistant V.B. Rzayeva entered the magistracy in the specialty 2002.01-Mechanics of solid deformable bodies.

There is one dissertation in the department.

Attendance is satisfactory.

Prepared by: Associate Professor, PhD. Mirzoeva G.R..