Scientific seminar of the chair of Physics

On December 19, 2018, a planned research seminar was held at the chair of Physics. The speaker of the scientific seminar is Doctor of Technical Sciences, Professor Kuatbay Bisembaev. The topic of his scientific field is «Dynamics of vibroprotective devices with nonholonomic bonds realized by rolling bearings in the presence of rolling friction on relaxing soils». In his speech, Professor Bisembaev K. outlined the main purpose of the work and its relevance

According to the plan of the report, the following issues were outlined. Seismic Disturbance Information; statement of the problem. Equations of relations imposed on vibration-proof systems with rolling bearings with straightened surfaces; some ratios of binding parameters characterizing the deformations of the soil (carrier and wearable body) during rolling of a support; equations of relations; rolling friction; equations of spatial oscillations of vibration-proof bodies on rolling bearings with straightened surfaces; study of spatial vibrations of a vibration-protected object on rolling bearings with straightened surfaces; spatial stability of vibrations of a vibration-proof body on rolling bearings with straightened surfaces; periodic modes of spatial vibrations of a vibration-proof body on rolling bearings with straightened surfaces.



