

Annotation

The results of the research-and-developments sent to the decision of complex problem of increase of oscillation reliability of turbines presented in dissertation work. In dissertation presented development of methods and recommendations on questions of balancing of flexible rotors in all range of frequencies.

Every industrial equipment has rotating parts. There, where there is a rotating part, has a mechanical vibration. Vibration is inevitable satellite rotary units. It is vibration generates noise, affects the foundation and bearings, causes wear, dissipates the energy of the machines, lowers their useful power and leads to the accident. Vibration is valuable source of information about state of working machines. The basis of vibration diagnostics is obtaining and analysis of this information