

# **EXPERIMENTAL ANALYSIS OF PULSATION AND VIBRATION PROCESSES IN FLOW – CONSTRUCTION INTERACTION**

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An automatic diagnostic complex has been developed and tested. It was designed on the basis of combined use of an interference – proof digital speckle – interferometer and the schlieren method. Processes of membrane combined excitation in a laminar gas flow and non – linear changes of configuration of the main of the oscillations analyzed in a turbulent flow are revealed. The diagnostic complex will find application in analysing ware interaction of working media and construction in many areas of science and technology.