



Babak V.P., Kuts Y.V., Myslovych M.V., Shcherbak L.M., Friz M.E.; Object-oriented identification of stochastic noise signals. - Kyiv, "Scientific Thought", 2024, 240 pp. ISBN - 978-966-00-1883-9

Modern methods of identifying various objects are considered based on the results of research on stochastic noise signals - an information resource for the functioning of such objects, mathematical models of the studied signals and their probabilistic characteristics as potentially possible information features of object identification, the envelope and phase method for determining the phase characteristics of identification. Examples of object-oriented identification of stochastic noise signals using the results of experimental research on vibro-noise signals of bearing units of electric machines, human electroencephalographic signals and phase characteristics of narrowband noise signals are given.