Sorokin D. V. Identifying «bottlenecks» in the existing and future power system schemes on the basis of application of modal analysis.

The possibility of modal analysis methods application to identify «bottlenecks» in power is considered. The test system to apply modal analysis methods is power system of North-West.

Key words: power system, modal analysis, small-signal stability, power system oscillations, eigenvalue analysis.

Sorokin Dmitry Vladimirovich, PhD. tech., researcher of the Department of Design and Development of Energy Systems of the Scientific and Technical Center of Unified Power System (STC UPS).

E-mail: sorokin_d@niipt.com, dvs.niipt@gmail.com