

## **The choice of time constants of stabilization channels in the structure of the automatic excitation regulator.**

*Filimonov N. Y., Yurganov A. A.*

A method for tuning the time constant of stabilization channels in the structure of the Russian automatic excitation regulator (ARV) is presented. The tuning efficiency and obtaining the greatest effect of damping oscillations from an increase in gain are shown.

*Keywords: synchronous generator, excitation regulation, system stabilizer, oscillation damping, functional, effective damping field.*