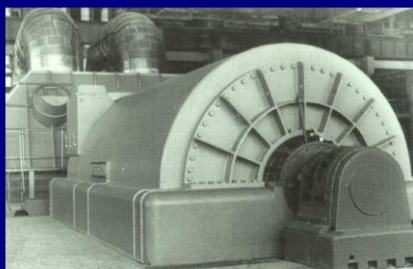


К.А. КУЧИНСКИЙ

ТЕПЛОВЫЕ И
ТЕРМОМЕХАНИЧЕСКИЕ
ПРОЦЕССЫ В
ТУРБОГЕНЕРАТОРАХ



Киев
2020

Technical sciences. K.A. Kuchynskiy. "**Thermal and thermomechanical processes in turbine generators**". Kyiv: Pro Format, 2020. 239 p. Circulation - 300 copies. ISBN 978-617-7457-99-1.

The monograph presents the main results of solving certain problems in the study of thermal and thermomechanical processes in powerful synchronous turbine generators, taking into account an influence of various design factors and operating conditions on the state of their individual elements. The features are analyzed and regularities of the thermomechanical fields distribution in the machines' units in the nominal and some abnormal modes, in particular, in the presence of thermal defects, are analyzed. The constructive execution of machines and scientific and technical solutions to reduce a range of changes in thermal and thermomechanical loads are justified. The obtained scientific results are used in the generators' modernization to optimize their operating modes.

The monograph is intended for scientific and engineering workers, graduate students and students of electromechanical and electrical engineering specialties.