

UDC 621.438:66.045.1:536.27

Ganzha A.N. Improvement the efficiency of stationary gas-turbine installation based on modeling in the regenerator-air heating / A.N.Ganzha, N.A. Marchenko // Internal

combustion engines. – 2011. – № 2. – P. 53-57.

The mathematical models and algorithms for system

analysis of gas turbine performance-air heater and local distribution

in its thermal and hydraulic parameters are developed.

For a stationary gas turbine a complex design of the

tube regenerator was developed and analyzed. The maximum

effective efficiency of the installation, which can be obtained

using the chosen design of the regenerator, is determined. II.

3. Bibliogr. 5 names.