

DESIGNING AND EXPERIMENTAL RESEARCH OF HYBRID GAS BEARINGS FOR HEAVY MULTIBASIC ROTOR OF GAS TURBINE

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There is an area of applications of turbomachines where use of gas-lubricated bearings is economically expedient at rather heavy rotors. It is a question of turbogenerators capacity of 500 - 2000 kw with high-frequency electrogenerators. In article results of designing and experimental researches of gas bearings of a turbogenerator by capacity of 1000 kw are presented.

Gas-lubricated bearings, air bearings, hybrid gas bearings, tilting-pad journal bearings

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