

ANALYSIS OF TEMPERATURE FIELD AT THE COMBUSTION CHAMBER OUTLET WITH THE FLOW TURNING IN THE GAS COLLECTOR

© 2006 G. P. Grebenyuk¹, S. Yu. Kuznetsov², V. F. Kharitonov²

¹Federal State Unitary Enterprise «Motor», Ufa

²Ufa State Aviation Technical University

The paper analyses the results of numerical modelling of gas-dynamic processes in the dilution area and the gas collector in the combustion chamber with radial liners. Modelling is carried out with the help of ANSYS software complex. The impact of geometrical and regime parameters on the maximum nonuniformity of temperature field at the chamber outlet is investigated.