

TEMPERATURE'S FIELDS AND HYDRAULIC LOSSES IN COMBUSTION CHAMBERS OF SMALL GAS TURBINE ENGINES

© 2007 V. Yu. Abrashkin, P. E. Yudin

Samara State Aerospace University

It is shown formation peculiarities of gas temperature fields for combustion chambers of small gas turbine engines. It is described the more sharp calculation model of hydraulic resistance ratio, also in details it is shown the influence of combustion chambers' design parameters on gas flow's temperature fields and it is proposed recommendations for design and production of combustion chambers for small gas turbine engines.