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MODELLING OF CURRENT IN THE SETTING OF THE RADIAL-AXIAL TURBINE OF THE COMPOUNDED-ENGINE

The focus of this research has been on problems of choosing geometry parameter design in the setting of the radial-axial turbine. For calculation of the current structure in the setting of turbine here was offered to use the J.A.Sirotkin's mathematical model of a direct problem of an axisymmetric eddy flow. To illustrate the results, calculations on an example of the radial-axial turbine of the turbocharger TKR-14C-27 were performed.

Keywords: degree of radiality, radial-axial turbine, head coefficient, setting, characteristics of the turbine, a degree of reaction, current flow line.

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