

. . . , . . .

, 15, 49005, ; e-mail: yukv@i.ua; zinevich7385@gmail.com

()

1. *Benini E., Giacometti S.* Design, manufacturing and operation of a small turbojet-engine for research purposes. *Applied Energy*. 2007. Vol. 84. P. 1102–1116.
2. 2018. . 20. 2. . 43–54.
3. *Poursadegh F., Hajilouy A., Nili M.* A novel quasi-3d design method for centrifugal compressor impeller on the blade-to-blade plane. Proc. of ASME TURBO EXPO 2011. (Vancouver, June 6–10, 2011). Vancouver, British Columbia (Canada), 2011. 8 p.
4. *Xiaomin Liu, Wenbin Zhang.* Two schemes of multi-objective aerodynamic optimization for centrifugal impeller using response surface model and genetic algorithm. Proc. of ASME TURBO EXPO 2010. (Glasgow, June 14–18, 2010). Glasgow (UK), 2010. 13 p.
5. *Jin-Hyuk Kim, Jae-Ho Choi, Kwang-Yong Kim.* Design optimization of a centrifugal compressor impeller using radial basis neural network method. Proc. of ASME TURBO EXPO 2009. (June 8–12, 2009). Orlando, Florida (USA), 2009. 9 p.
6. () . 2011. 9–10. . 105–117.
7. *Noll B.* Evaluation of a Bounded High-Resolution Scheme for Combustor Flow Computations. *AIAA J.* 1992. Vol. 30. 1. P. 64–69.
8. 2013. 2. . 169–176.
9. 2004. 2. . 94–99.
10. 1981. 110 .

11.
12.

15.02.2019,
04.03.2019