

1, 2, 3

^{1,3} « »,
 2 , 19, 49005, ; e-mail: *bublikov.a.v@nmu.one, Papaika.Yu.A@nmu.one*
 , 15, 49005, ; e-mail: *np-2006@ukr.net*

(93 %).

1. 2015. 182 .
2. 2006. .104. . 53–61.
3. Zhang, Wei & Zhang, Dongsheng & Wang, Hongzhi & Cheng, Jixin. Comprehensive Technical Support for High-Quality Anthracite Production: A Case Study in the Xinqiao Coal Mine, Yongxia Mining Area, China. Minerals. 2015. 5. . 919–935. <https://doi.org/10.3390/min5040533>
4. 2010. 18. . 249–255.
5. 2015. 122. . 238–252.
6. « - » () . 2018. 10. . 227–233. <https://doi.org/10.25018/0236-1493-2018-10-0-227-233>
7. Bublikov A., Tkachov V. Automation of the control process of the mining machines based on fuzzy logic. Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu. 2019. 3. . 112–118. <https://doi.org/10.29202/nvngu/2019-3/19>
8. 2021. 5 (136). . 144–158.

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30.09.2021