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## ANALIZA UTICAJA FIZIČKO-MEHANIČKIH SVOJSTAVA UGLJENE SERIJE NA IZBOR METODE OTKOPAVANJA U JAMAMA RMU „REMBAS“- RESAVICA

### **Sažetak:**

*Na izbor metode otkopavanja slojeva uglja utiče niz prirodnog-geoloških parametara radne sredine pri čemu su veoma bitna fizičko-mehanička svojstva ugljenih slojeva, neposredne podine i krovine. Ovim radom, odnosno sprovedenim istraživanju u okviru date teme, obrađuje se uticaj fizičko-mehaničkih svojstava ugljenog sloja i neposrednih pratećih stena na izbor metode otkopavanja u specifičnim uslovima jama RMU "Rembas"- Resavica. U tom cilju izvršena je sistematizacija fizičko-mehaničkih svojstava, i dano njihovo grupisanje i opisan pojedinačni značaj, prema kome su definisani uticaji na izbor metode otkopavanja.*

### **Ključne riječi:**

*ugalj, sloj uglja, krovina i podina sloja uglja, otkopavanje, fizičko-mehanička svojstva*

## ANALYSIS OF THE INFLUENCE OF THE PHYSICAL-MECHANICAL PROPERTIES OF THE COAL SERIES ON THE CHOICE OF THE EXCAVATION METHOD IN THE MINES OF RMU „REMBAS“- RESAVICA

### **Summary:**

*The choice of the excavation method of coal layers is influenced by a number of natural-geological parameters of the working environment, where the physical and mechanical properties of the coal layers, immediate floor and hanging wall are very important. This paper, by the research conducted within the given topic, deals with the influence of the physical-mechanical properties of the coal seam and the immediate surrounding rocks on the choice of excavation method in specific conditions of the undergrounds of RMU "Rembas" - Resavica. To this aim, the physical and mechanical properties were systematized, and their grouping was given and individual significance was described, according to which the influences on the choice of the excavation method were defined.*

### **Key words:**

*coal, coal layer, hanging wall and floor of coal layer, excavation, physical and mechanical properties*

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