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WYDZIAŁ GÓRNICTWA I GEOLOGII
KATERDA PRZERÓBKI KOPALIN I UTYLIZACJI ODPADÓW

ROZPRAWA DOKTORSKA

OPRACOWANIE METODY BUDOWY SYSTEMU CEN

GWARANTUJĄCEGO OPŁACALNOŚĆ WZBOGACANIA

ENERGETYCZNEGO WĘGLA KAMIENNEGO

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Summary: **Development of methods for the construction of the pricing system guarantees cost-effectiveness of hard coal enrichment.**

The PhD thesis contains development of methods for the construction of the pricing system of the hard coal and his cost-effectiveness analysis for enrichment.

The main purpose of the PhD thesis was: **to create a pricing system that guarantees cost-effectiveness of hard coal enrichment.** To achieving the this study were randomly selected from steam coal from domestic coal mines. Research was conducted using the technological characteristics of carbon and the curves of enrichment, showing the effect of the accuracy of importance in this case, the distribution of radiation on the final results probable enrichment process. Based on the analysis by the quality parameters examined were characterized by energy coals were carried out assess their value with the newly developed pricing system for coal-based power energy rates. The last phase of the work was to enrichment cost-effectiveness analysis for the proposed pricing system.

Obtained findings allowed for expressing the final conclusion:

Final conclusion:

At the work a new price system was developed to the energy hard coal. Are gives sales formula based on energy rates ash and sulphur content. It was found that these indicators better reflect the value in use of coal showing the load factor of the unit of the warmth with ash or sulphur.

Conducted examinations and analyses showed that the developed price system let the profitability of enrichment appoint ranges as energy coal both for theoretical deliberations (leaning against technological curves) as well as for cases of the industrial coal cleaning (leaning against enrichment curves).