

THE LEIFMAN-VASSOEVICH COEFFICIENT AND COAL AND GAS OUTBURST PHENOMENON

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The coal and gas outburst phenomenon is characterized by suddenness of occurrence. One of the aim of the coal geology is to predict the location of the zone where coal and gas outburst take place. Some regularities of fluid generation during coalification may be used for the localization of the processes leading to formation of conditions dangerous in respect of coal and gas outburst. The zones where Leifman-Vassoevich coefficient reaches the maximum are essential from the standpoint of devolatilization process during coalification and allows to locate the zones where coal and gas outbursts may occur. A number of data from Pechora, Donetsk and Kuznetsk coal-bearing basin proved this statement.