

SYNERGETIC PROCESSES IN THE FORMATION OF FOCI SELF-HEATING IN THE DEFORMED COAL SEAM

Possibility of flowing of synergetics processes is set at forming of hearths of self-heating in the deformed coal layer, that allowed to develop looks to the mechanism of forming of the last.

$>10^{-6}$),

()

[1,2]

[1].

($=10^{-6} \dots 10^{-8}$

), () .

(. 1).

(,)

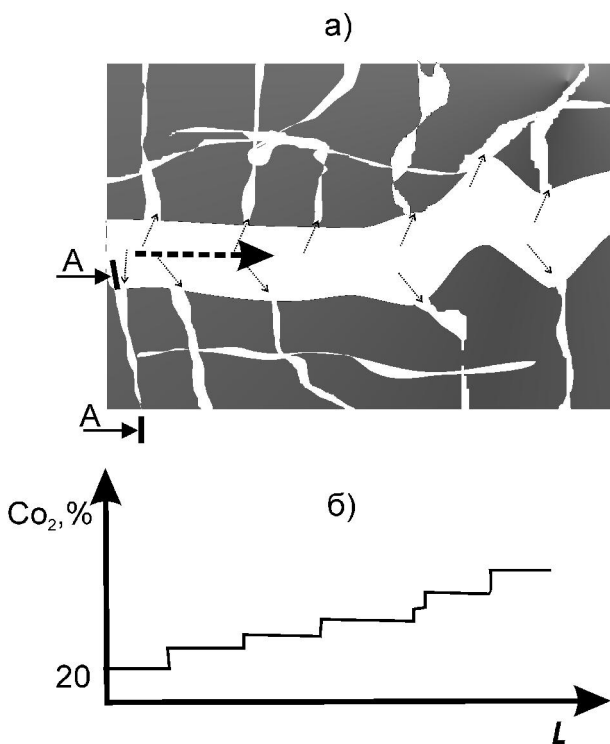
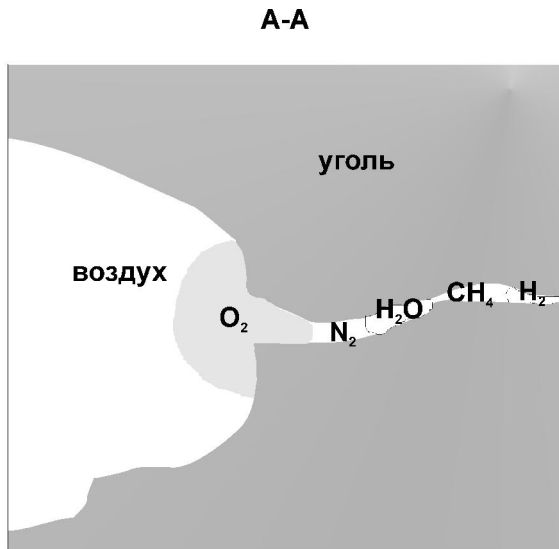


Fig.1. Air traffic patterns on the macro-and micro cracks (a) and increase the oxygen content of the macrocrack (b) as a result of isothermal effusion



.2.

Fig.2. Scheme effusive separation process gas mixture components in microcrack

(393,8 /)

700 ,

[3]

(2,7%)

3,3

1309,6 / ,

0,1%, -95% (- , ,),
50% (48,8% , 1,2%,).

[3]

0,1%, -95% (- , ,),
50% (48,8% , 1,2%,).

[4].

(,)

(,)

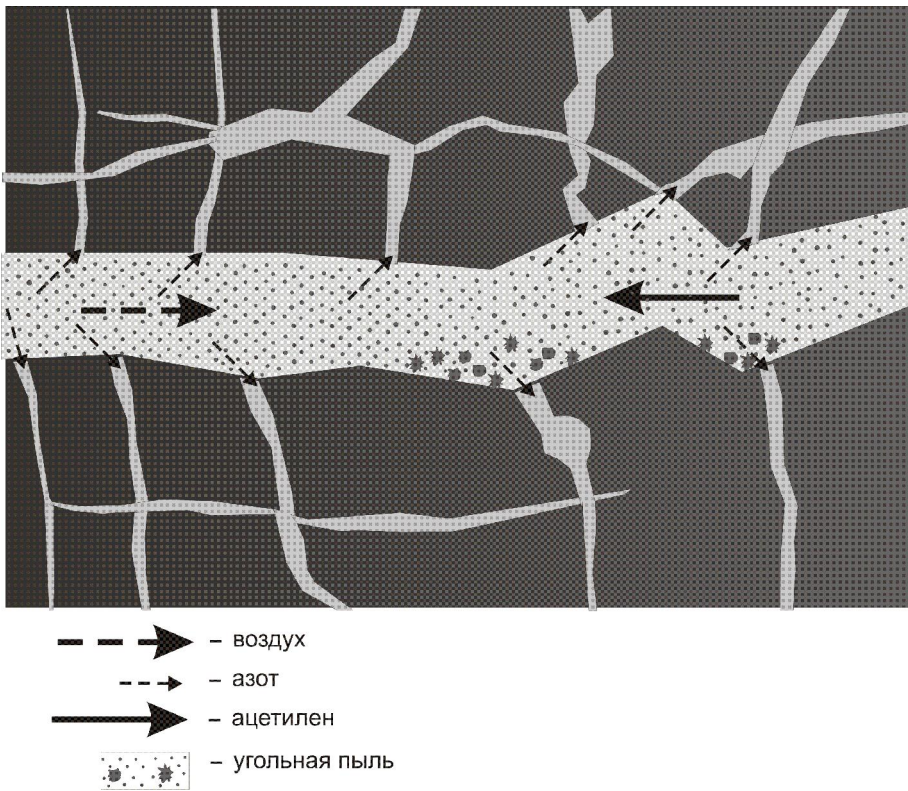
(,)

40 – 50

700

4
[1, 5].

(.3).



.3.
Fig.3. Traffic patterns of air and acetylene in the deformed layer

[1, 2],
 (. 1).

1. -

Table 1. Occurring during spontaneous combustion of coal physical and chemical processes in the areas of geological faults recovery

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-	- (); - ; - ; -	- (- - - ,) ; - ; - ; -
-	- : - ; - ; - (); -	- , - - - ; - , , - - -
60...70 ⁰	- : - - - (. . 2 , , 2)	- ; - ; - ; - () ; -
-	- : - - - (, - - ,) ; -	- ; - - ; -
	-	- ,

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 .

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