

621.762.3

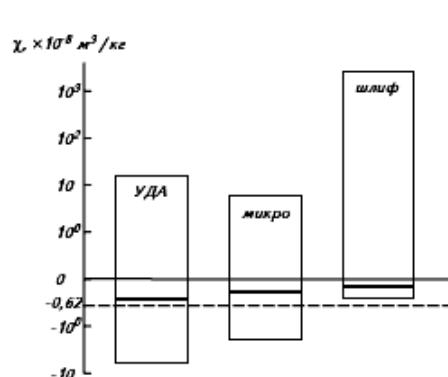
• • , . . . ; . . . , . . . ;
• • ; +38 (067) 446-36-48; -mail: oleynik_nonna@ukr.net

: +38 (067) 446-36-48; -mail: oleynik_nonna@ukr.net

, *Fe*

$$, \quad () \quad -0,62 \cdot 10^{-8} \quad ^3/\quad).$$

$$\begin{array}{ccccccccc}
 & & & & & & & & 1 \\
 & & & & & & & \vdots & \\
 & 40 & 800 & , & - & & & & 0,1 \\
 60 & , & & & (3-6) \cdot 10^{-6} & & & & \\
 \hline
 \end{array}$$



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[2].

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[1].

[4].

[5].

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(y, %)

(, %)

0,5

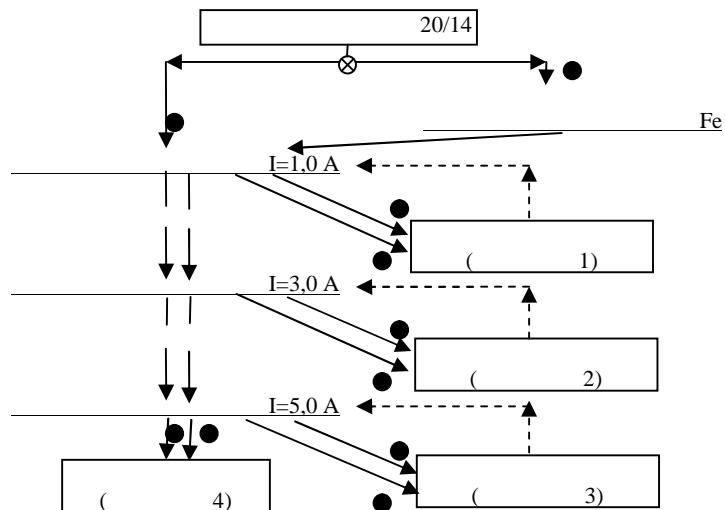
[4].

2.
(.1).

20/14,
20/14,

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[1].

1 , 3 5 ,
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. 2.

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(, %) (, ·10⁻⁸ ³/).

(= · / , .), (, ·10⁻⁸ ³/).

[1]

3.

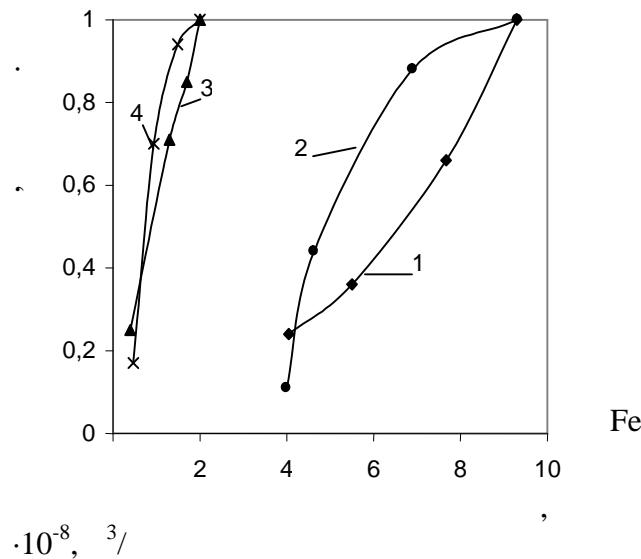
.3.

.3

1, 2
3, 4
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.10⁻⁸, ^{3/}

. 3.

20/14:

(1, 2),

(3, 4). 1, 3 -

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1.

20/14,

		R ²		R ²
	=0,1444 -0,3921	0,9729	=0,8899Ln(x)-1,0748	0,9250
Fe	=0,1585 -0,3769	0,8711	=1,01302Ln(x)-1,2163	0,9316
	=0,4652 -0,0745	0,9958	=0,4411Ln(x)-0,6397	0,9815
	=0,5266 -0,5740	0,8557	=0,5887Ln(x)-0,6620	0,9660
Fe ⁺				
* R ² ,				

.1

R²=0,85,R²=0,92.

()

[4]:

$$(\alpha) = 0, \quad (\alpha) < (\beta); \quad (\alpha) = 0,5; \quad (\alpha) = (\beta); \quad (\alpha) = 1,0; \quad (\alpha) > (\beta)$$

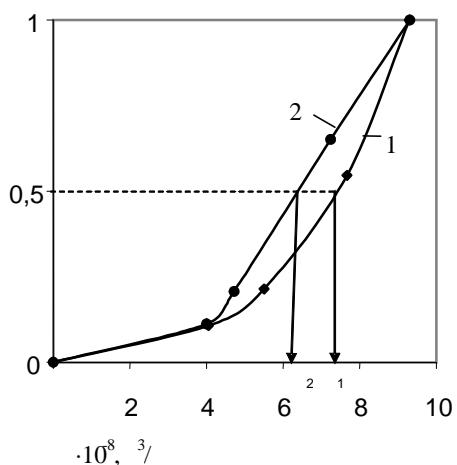
$$, \quad 0 \quad 1.$$

(tg),

$$.4 \quad , \quad 20/14,$$

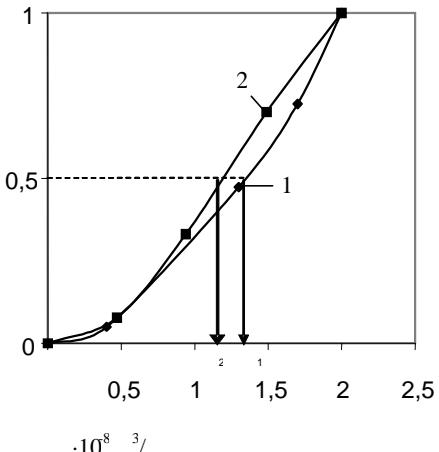
, .

Fe.



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4.



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(1),

Fe

.4 .4 (1
2), Fe

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(() = const)
[4].

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() = 0,5.

(.4)

20/14,

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2.

20/14

		R^2		tg
	=0,1685 -0,6503	0,9470	6,85	0,1689
Fe	=0,1775 -0,6229	0,9902	6,43	0,1775
	=0,5747 -0,2170	0,9754	1,25	0,5747
+	=0,6325 -0,2573	0,9994	1,19	0,6325
Fe				
$* R^2$,				

4.

1.

$$R^2=0,85;$$

()
2.

3.

G.D. Il'inskaya, N.A. Oliinyk
**DIVISION OF MICROPOWDERS OF
SYNTHETIC DIAMOND AT MAGNETIC
FIELD**

FIELD
In the article are submitted results of research of influence of a way of division of micropowders in a magnetic field on their magnetic fractional structure and separation the characteristic. It is shown, that fastening caution Fe on surfaces of particles of a powder allows increasing efficiency of division

27.05.2013 .