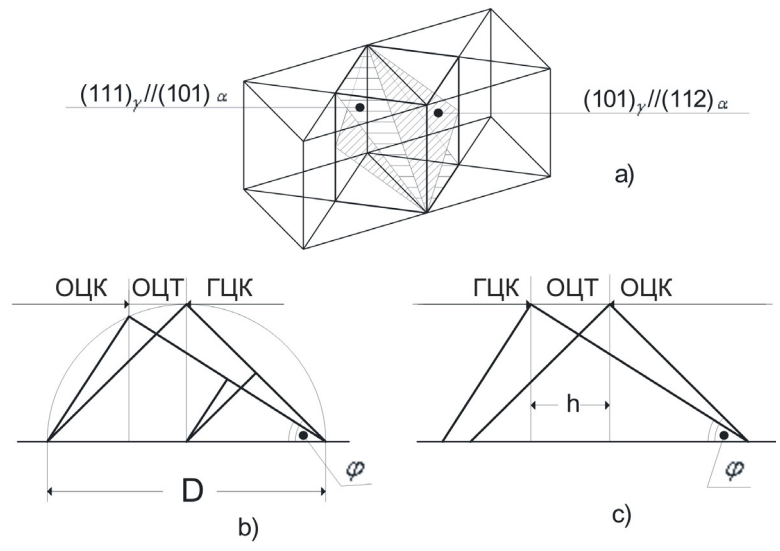


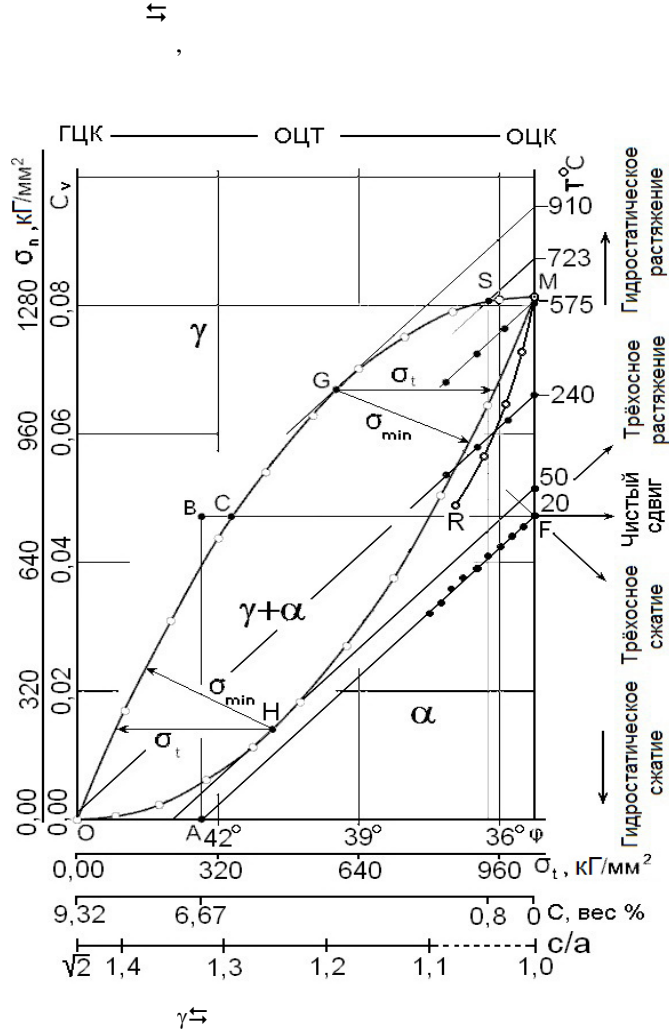


[1].  
 [2].  
 0,1 %,  
 [3].

[1]  
 ( ).  
 ( .1 ).  
 : ( .1 , - h D , <112> ,  
 ( .1 , - h ( V/V ) (110)).  
 <001> ( , φ )  
 35°15' 45°.



1. ; ) (111) / (101)  
 2. ) (101) / (112) ; )  
 50 912°  
 0 12,5  
 (σ<sub>min</sub>) (σ<sub>n</sub> σ<sub>l</sub>)  
 V,



2.

« - ».

$$dE/dx=0 [4].$$

),  
 $\gamma \rightarrow$

( ).

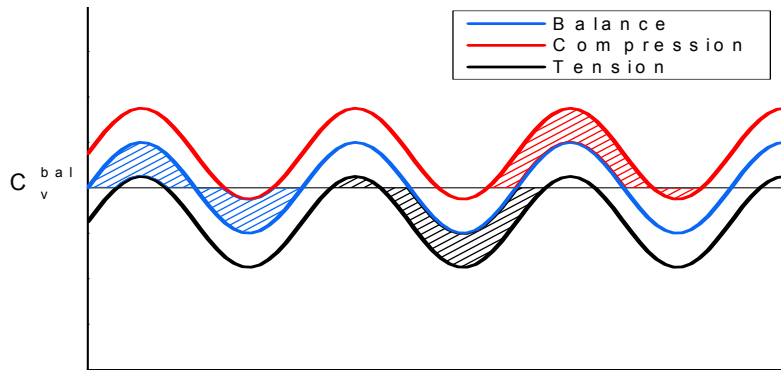
».

[4].

( , , ) ( )

.3,

( .3), , , ( )  
 ( ) ) , ( )  
 ( ) ) , : )  
 , :  
 [3].



.3.

.3,

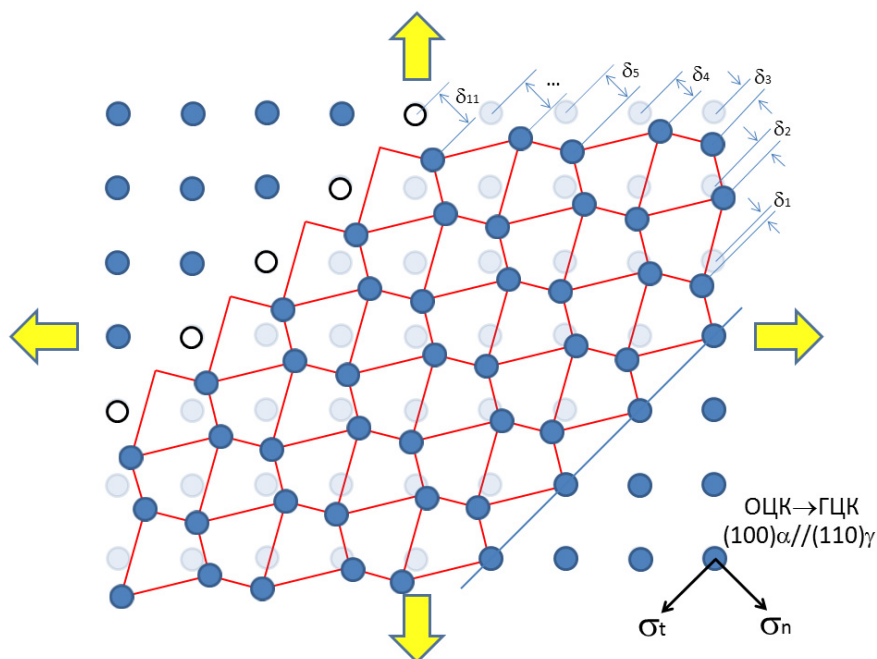
.4.

(100)

.4.

2 .

11-12



.4.

.4

1 4.

[1].

s)

.2- G).

$s = 547^\circ$  ( . 5).

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( n)

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547°

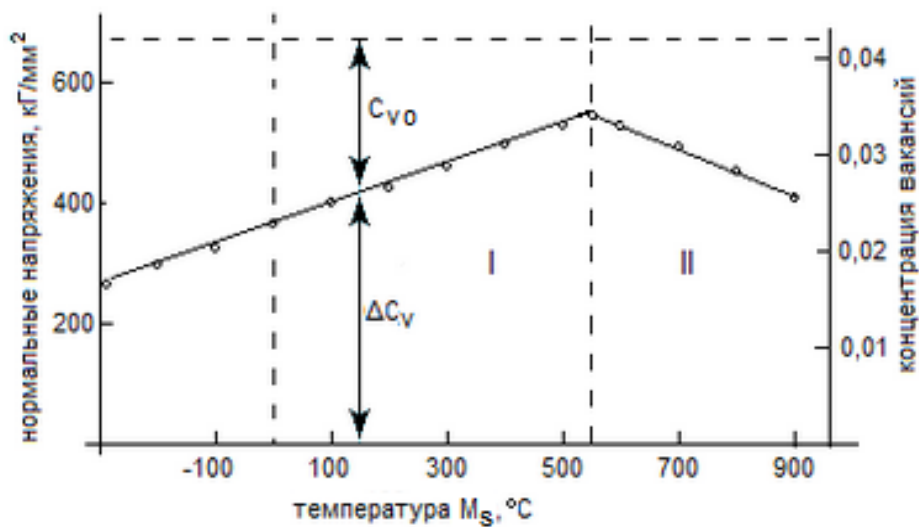
$s < 547^\circ$   
 $s > 547^\circ$

[5].

V - 0,5V )

4,2%.

( V =



$C_{vo}$  -

(I-

II -  
 4,2% ( . )

( s )

, %	$\text{Å}$	0,5V , $\text{Å}^3$	$\text{Å}$	$\text{Å}$	V , $\text{Å}^3$	/	V= V - 0,5V , $\text{Å}^3$	V/ V , %
0,0	3,546	22,31	2,86	2,86	23,40	1	1,09	4,65
0,2	3,555	22,483	2,857	2,882	23,55	1,009	1,07	4,54
0,4	3,564	22,656	2,853	2,909	23,68	1,018	1,024	4,32
0,6	3,573	22,829	2,851	2,931	23,83	1,027	1,01	4,24
0,8	3,582	23,002	2,849	2,957	24,01	1,036	1,008	4,20
1,0	3,591	23,175	2,847	2,982	24,19	1,045	1,015	4,20
1,2	3,600	23,348	2,845	3,002	24,32	1,054	0,98	4,03
1,4	3,609	23,521	2,844	3,03	24,52	1,063	0,999	4,07
1,6	3,618	23,694	2,843	3,053	24,70	1,072	1,006	4,07
1,8	3,627	23,867	2,843	3,075	24,88	1,081	1,013	4,07
					24,11		1,02	4,24

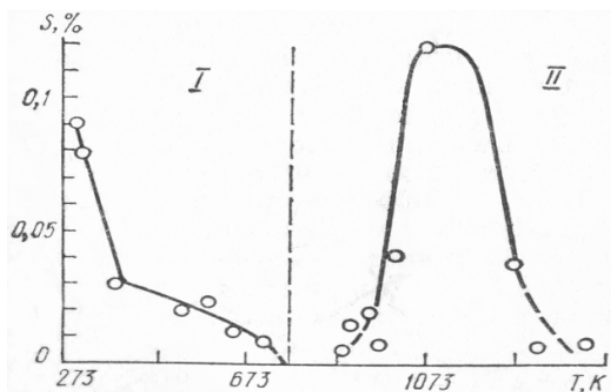
4,2 .%

( .5)

900° ,

$$S = \frac{V}{V_0} \left( \frac{V}{V_0} \right)^n \quad (E = n(V/V_0)^2, \quad n \cdot V/V_0 = \dots \cdot V/V_0),$$

[6]



.6.

-1

912°

912°

1.

2.

(  $V = V_0 - 0,5V$  )

4,2% .

3.

«  $n^- C_{V^- s}$  »

547° ,

4.

5.

6.

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