

1-0,

... ” . . . , ... ” . . . ,

( )

( ),

[1].

25×40

70 45°

[2].

200

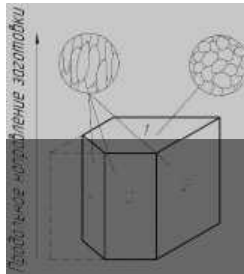
1600

400° ;

[2].

( =882 , =541 ).

1  
 ( 2 3 90°, 4 – 45°).



1.

2 30 150

$$S = \frac{I_{002}}{I_{100}} \quad q = \frac{I_{002}}{I_{101}}$$

[1].

002,

(0001); (100) –

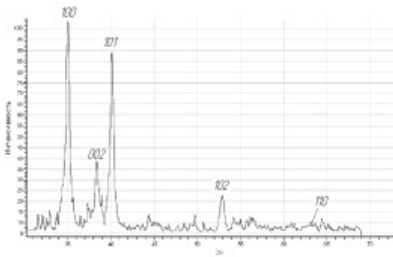
(101) –

$d < 1,63$  ( ).

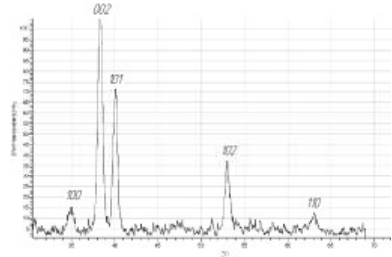
-Ti

[3]

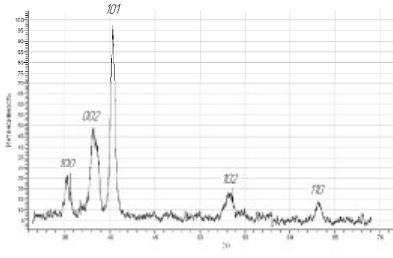
. 2



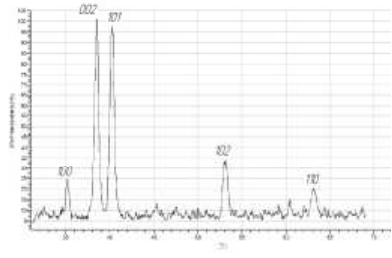
)



)



)



)

. 2

); –

( ); –

( ); –

( ); –

;

)

Ti [3],

100, 002, 101 110

S q ( . 1)

. 3

S  
(0,74),

0,33

1.

S q

105

		$S = \frac{I_{002}}{I_{100}}$	$q = \frac{I_{002}}{I_{101}}$	$b_{105} \cdot 10^{-3}$
1	( ) -	7,93	1,53	31,4
2	( ) -	1,98	0,41	28,4
3		2,26	0,52	23,5
4		2,0	0,54	26,2
5		5,11	1,53	28,3
6		( )	0,33	0,37
7	( )	0,74	0,2	-

; 1,2,3,4 -

; 5 -

(0001)

S q

(S=7,93,

q=1,53

(2,3 4)

S=5,11, q=1,03

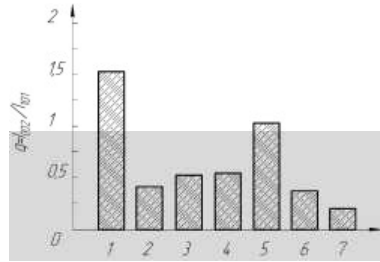
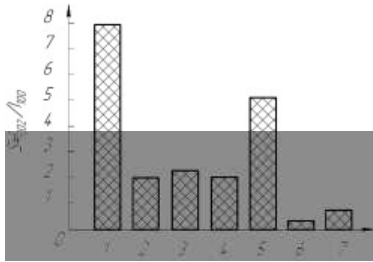
S q

(0001)

(250 )

[0001],

$[\bar{1}\bar{2}10]$   $[10\bar{1}0]$ .



. 3.

S q,

1-0

S; )

q; 1 -

); 2,3,4 -

; 7 -

(0001)  $[\bar{1}\bar{2}10]$  (0001)  $[10\bar{1}0]$ ,

1.

22-27.

2.

2003. - 87 .

3.

∴ , 1970. - 366 .