

Cr-C,

“ ”

“ ”

Cr-C

Cr-C 12, 15 18 .% 30-40
 Cr-C : $\text{KCr(SO}_4)_2 \cdot 12\text{H}_2\text{O}$ -0,5M,
 K_2BO_3 -0,5M, $(\text{NH}_4)_2\text{SO}_4$ -2M, HCOOH -0,75M, $\text{pH}=3,0$, $T=298\text{K}$.
 $(i=15-25\text{A/}^2)$
 $(f=2-16)$ $(Q=2-4)$.

(-1).

» [1].

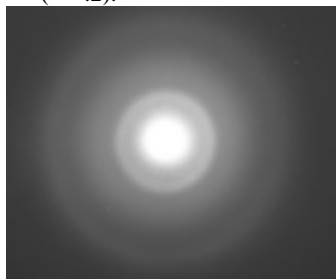
-3.0. - IBM

-102-2 (SEMI),

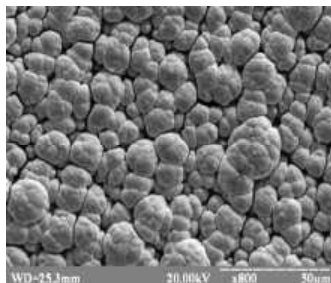
-100 .

(.1),

(.2).



.1.

 $r_{82}\text{C}_{18}$ 

.2.

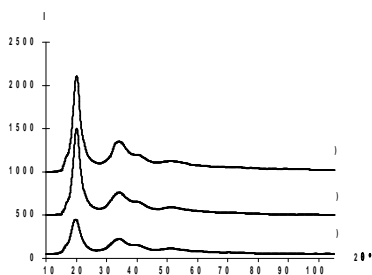
 $r_{82}\text{C}_{18}$.

Cr-C, -
12, 15, -
18 . % (.3). , -
 , -
 , -
 Cr-
C . r₈₂C₁₈ -
 , -
 Cr₈₈C₁₂. , -
 C . -
 , -
 Cr-C -
 Cr -
0,248 . 0,247-0,249 , , -
 , -
 ()
 ()
 (). -
 -

[2]:

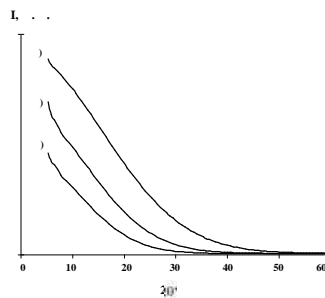
$$I(s) \approx I_0 \exp\left(-\frac{s^2 R_0^2}{3}\right), \quad (1)$$

I_0 - ; S -
 ; R_0 -
 ,
 (.4).



3. :) - r₈₈C₁₂;
) - r₈₅C₁₅;) - r₈₂C₁₈

18 12 .%
3,5 5,1 .



4. :) - r₈₈C₁₂;) -
r₈₅C₁₅;) - r₈₂C₁₈
Cr-C

[3],

:

,

,

s_0

[3]:

$$i(s_0)=\frac{Q_2Q_3}{d_{hkl}}\frac{1}{\delta\sqrt{2\pi}}\exp\left[-\frac{(L-\bar{L})^2}{2\delta^2}\right]\exp\left(-\frac{\bar{u}^2s_0^2}{2}\right)\int_{-\infty}^{\infty}V(|\vec{r}|)\exp(-is_0t)dt,$$

(2)

d_{hkl}

$(hkl), \vec{t}$

\bar{L}

δ

\bar{u}^2

Q_2

Q_3

0,9881

0,9768,

$V(\vec{t})=1+9t/5L+4t^2/5L^2$

.

[3]:

$$\bar{u}^2=\frac{18k}{(2\pi CK_m)^2\sqrt{m_r}m_c}\left[\sqrt{\frac{m_{Cr}}{m_c}}+\sqrt{\frac{m_c}{m_{Cr}}}-\frac{Si(2\pi K_mr_s)}{2\pi K_mr_s}\right],$$

(3)

k

C

$2\pi K_m$

m_{Cr}

m_C

r_s

(110)

(2)

Cr-

1

Cr c 12 18 .%

5,584 3,457 0,125 0,168

,

,

56

			\bar{u}^2 ,	\bar{L} ,	M ,	$V, \%$
Cr ₈₂ C ₁₈		0,2848	0,0108	4,457	0,168	47
Cr ₈₅ C ₁₅		0,2846	0,0111	4,358	0,143	65
Cr ₈₈ C ₁₂		0,2841	0,0112	5,587	0,125	82

1. \bar{L} -
 M -
 V -
Cr-
82 47 %, -
7 15%, 12 18 .%.

1. Cr-C
2. 12 18 .%
r-C 82
47 %.

3.

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2. // .-1986.-280 .

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