

. . . // ” ”.- : “ ”, - 2006. - 25.
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. . , . . , . . , ” ”
 . . , , .

There is presented the method of a finding dependences between various parameters of easy fractions of gas condensates and dielectric permeability in clause. The received results show presence of such dependences, that permits to use this method in order to identification and estimation of quality of fuels.

$$-92 \quad 11 \quad 3 \quad , 2$$

[1].

(2):

$$V = \frac{1^-}{0^-} \quad (1)$$

$$; 1^- ; 0^- \quad ()$$

[2].

(3):

$$= \frac{0^V -}{V - 1} \quad (2)$$

$$2,379. \quad 0=32,8 \quad , \quad =15,89 \quad [3].$$

1.

:
k:

-

$$v = 2,843 - 0,083k + 7.752 \cdot 10^{-3}k^2 \quad (3)$$

2.

-

():

$$v = 2,482 + 0,024a \quad (4)$$

3.

-

():

$$v = 3,247 - 0,116i + 0,001i^2 \quad (5)$$

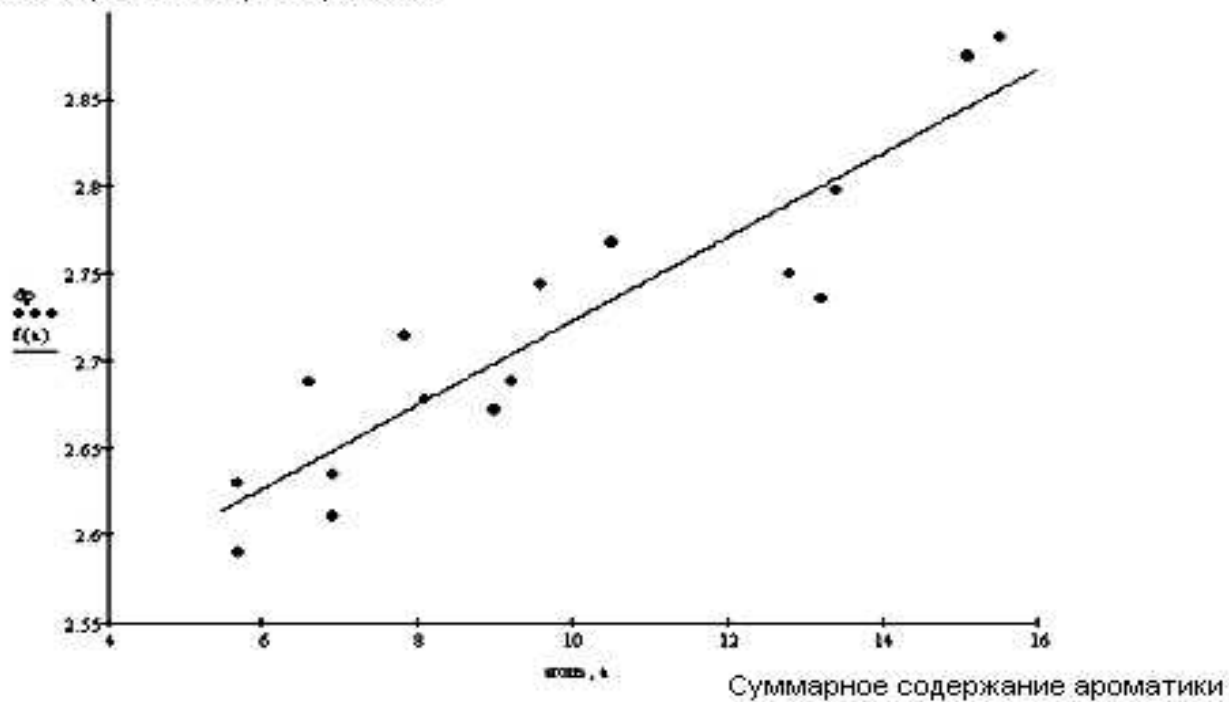
4.

(och):

$$v = 1,264 + 0,023och \quad (6)$$

:

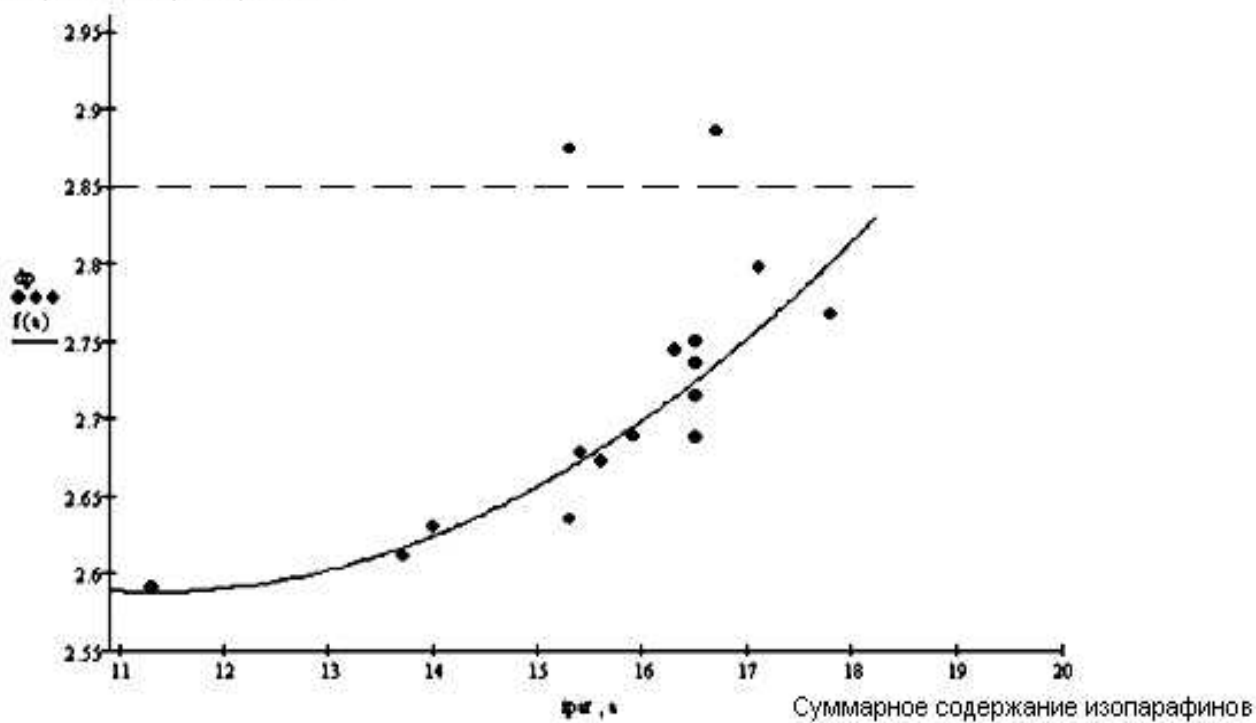
Дизлектрическая проницаемость



. 1.

1.

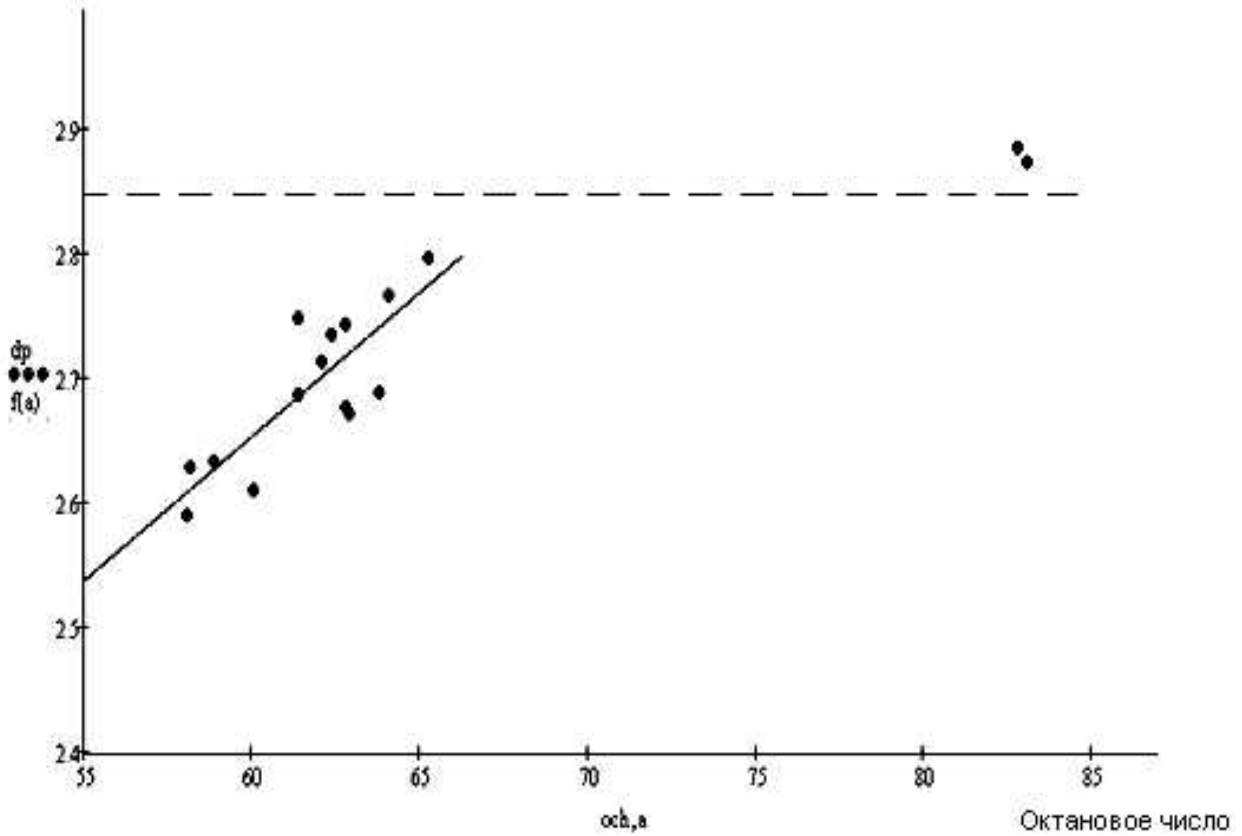
Дизлектрическая проницаемость



. 2.

2.

Диэлектрическая проницаемость



• • , • • , • • , • • , “ ”
• • , • • , • • ,

Cathodic process of lithium ion reduction in aprotic solvent on nickel electrode were investigated by linear scan voltammetry. Based on the analysis of electrode reactions parameters with lithium participation it has been proposed the general scheme of mechanism and kinetic solution for reduction reaction. Crystalline lithium deposit was obtained under galvanostatic electrolysis.

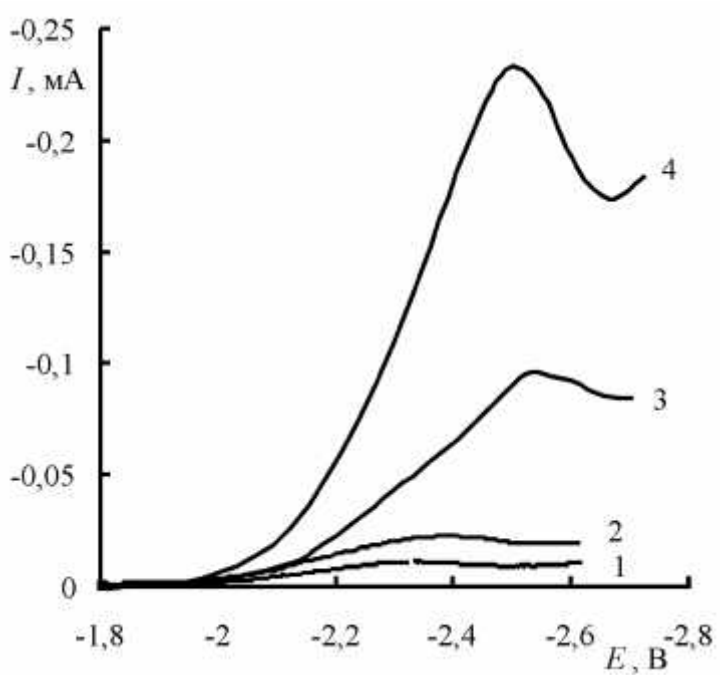
• , -
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, -
, [1]. -

• -
• -
, -
[2]. -
, -
[3]. -

0,1 /
(). « » -

0,22 \cdot 2 ,
 ()
 -50-1.1, -8
 4-003.
 0,002 - 0,1 / .
 Li⁺ (c)

(s) (. 1).



. 1.
 , / : 1 - 0,005; 2 - 0,020; 3 - 0,050; 4 - 0,100

(),
 s,
 $I / s^{1/2}$
 $s \rightarrow 0$

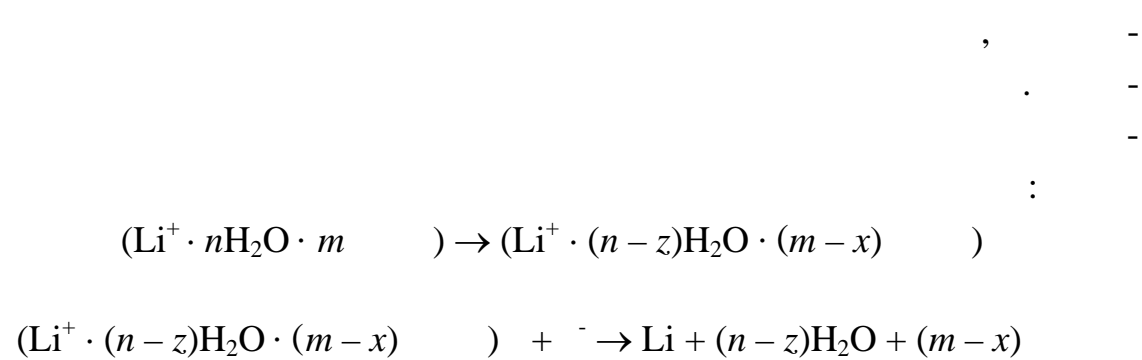
$$\lg I - \lg c \left(\dots \right) \quad 0,88 \dots 1,0.$$

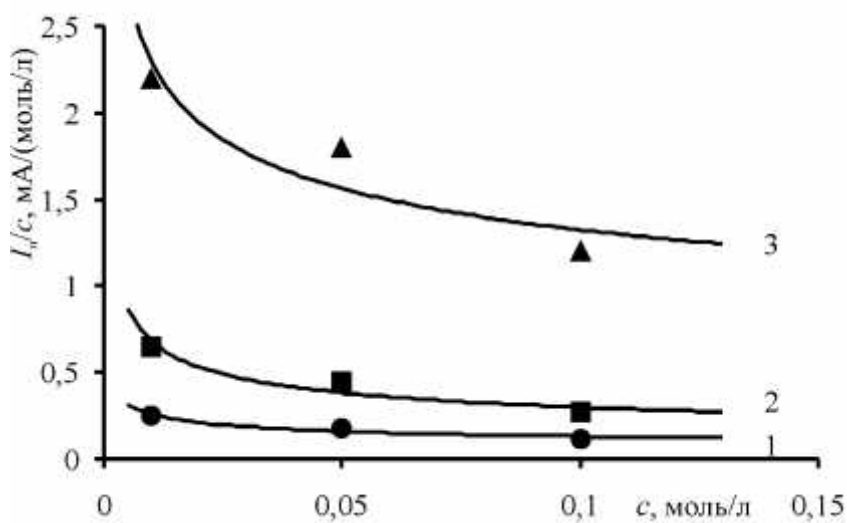
((LiClO₄) = 0,1 /)

<i>s</i> , /	,	/2,	,
0,002	0,0124	-2,112	-2,223
0,005	0,0140	-2,115	2,304
0,010	0,0268	-2,176	-2,369
0,020	0,0533	-2,250	-2,436
0,050	0,1116	-2,258	-2,454
0,100	0,2633	-2,263	-2,476

I - , -
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I / - (. 2). , -
I / , -
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 . -
 , -
 [2]. , -
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 . -
 , -
 ln*I* - lnc,
 :

$$I = k \cdot c^{0,7} \cdot \exp(n \cdot F \cdot E / R \cdot T).$$





2. I_p/c vs Li^+ concentration. I_p/c (mA/(mole/l)) vs c (mole/l).
 , / : 1 – 0,002; 2 – 0,010; 3 – 0,050

$$0,5 / 2$$

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658.345:622.323:622.324