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The results of investigations of solubility of nickel acetate in water solutions of acetic acid and ammonia are described. Dependences of maximum concentration of nickel acetate from initial pH value of solution under various temperatures and from pH value after dissolving of nickel salt are given. Boundaries of pH values for buffer effect of acetate ion in nickel solutions are determined. Optimum temperature of dissolving of nickel acetate and its optimum concentration for solutions of electroless nickel plating are defined.

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3]

[1, 2,

[2].

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[2, 3].



$\text{H}_2\text{O} -$

2 7.

293 ,

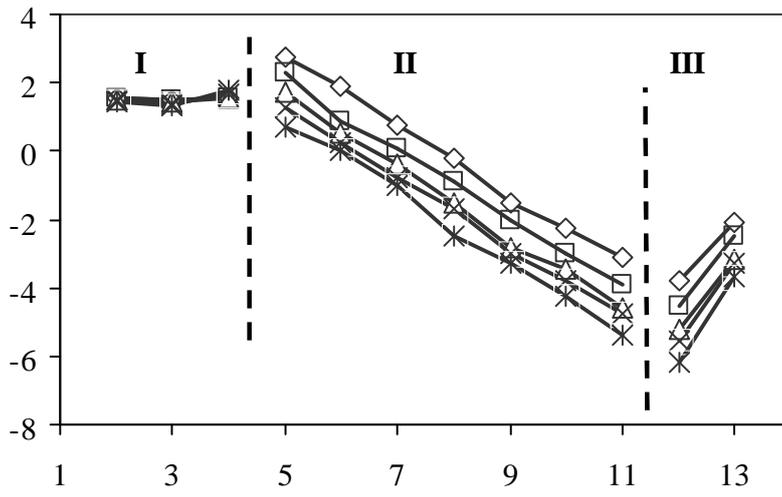
363 ,



$\text{H}_2\text{O} -$

7 - 13.

3 ( .1).  
**I**



. 1.

◇ - 293 ; □ - 313 ; △ - 333 ; × - 343 ; \* - 363 .

II

8,2 6,5,

III

II,

( . 2).

1

I.

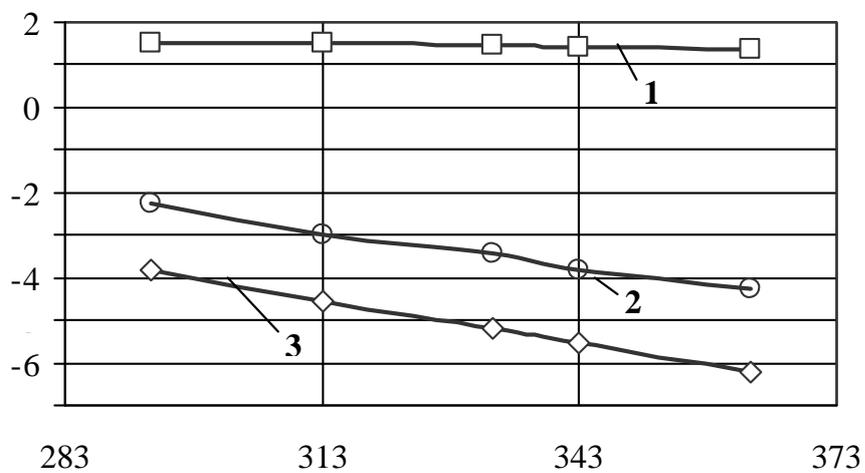
2

II.

3

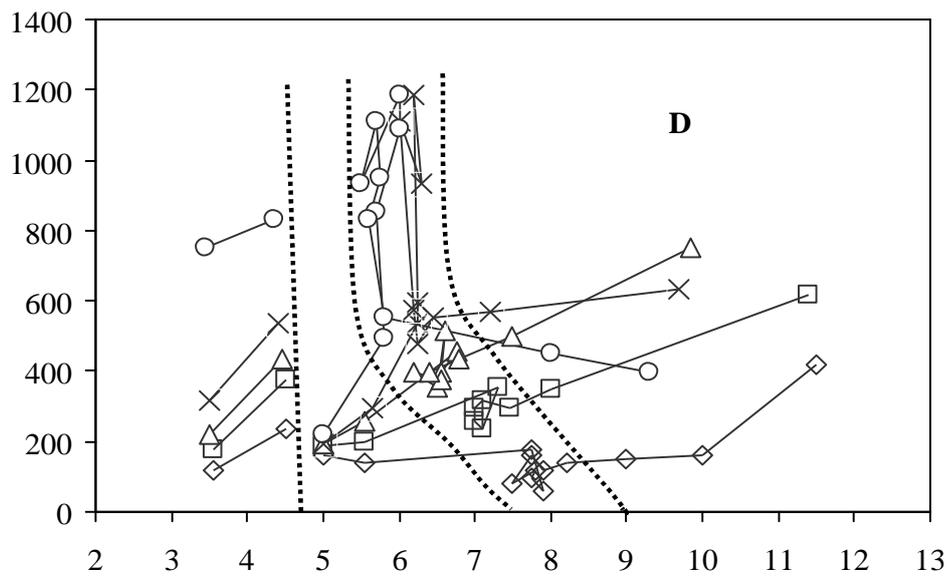
III.

II,



.2.

4 ( .3).



.3.

: ◇ - 293 ; □ - 313 ; △ - 333 ; × - 343 ; ○ - 363 .

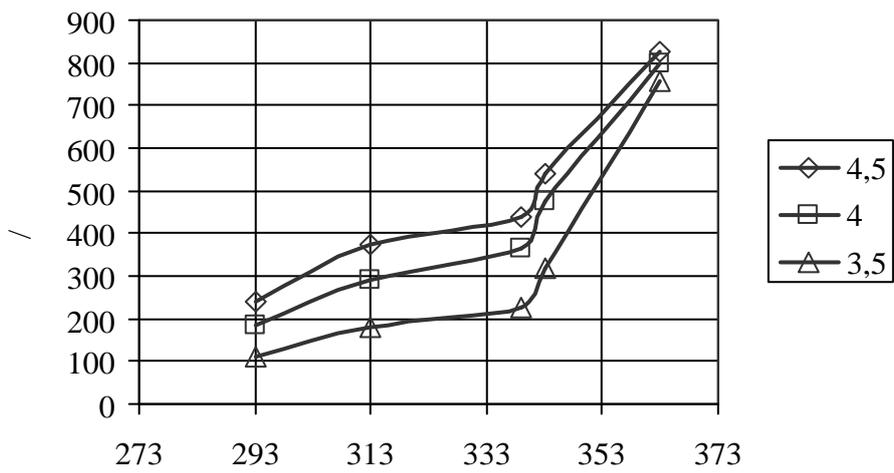
4,5 – 5,0

196 – 210 / . D

D,

( . 4)

343



.4.

:  $\diamond$  - 4,5;  $\square$  - 4;  $\triangle$  - 3,5.

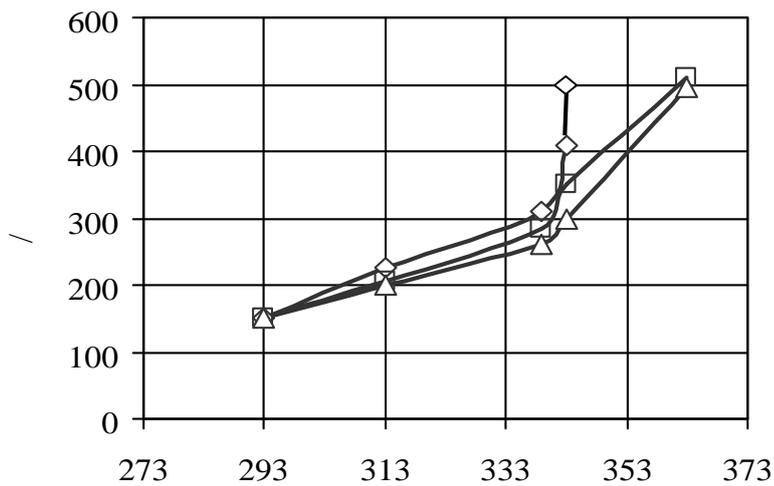
( . 5)

5,5.

D ( . 6).

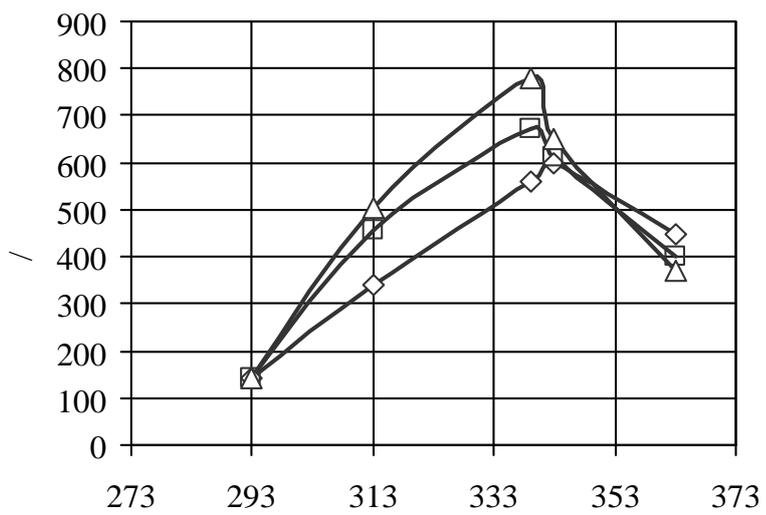
343 ,

4 12



. 5.

: ◇ - 5,5; □ - 5,8; △ - 6,1.



. 6.

D: ◇ - 8; □ - 9; △ - 10.

343 .

343

4,5

350 – 400 / ,

: 1.

, 1975, 312 . 2.

, 1971, 104 . 3.

, , 1970, 219 .

23.10.06

556.388

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100

Radiation-ecological situation during restructurisation of coil mining's in Lugansk district is crisis. In present, in coil mining's in Lugansk district accumulate about 100 thousand m<sup>3</sup> the waste from technogenic increased native radioactivity, these radioactivity characteristic have not enough difference with waste's of uranium extraction enterprise.

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