

... () .

« ».

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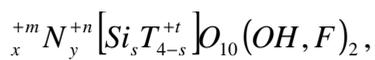
[5, 6, 7, 8].

(

.)

[9].

[1-2].



M,N,T –

: mx=1, ny=6,

[10]. M^{+m} – K⁺¹, Na⁺¹, Li⁺¹, Ca⁺², N⁺ⁿ –

Fe⁺², Mg⁺², Mn⁺², Al⁺³, Fe⁺³, Ti⁺⁴; T – Al⁺³, Fe⁺³, Ti⁺⁴.
 [10].

n=3, n=2 -
 - KAl₂[Si₃Al]O₁₀(OH)₂ -
 - KMg₃[Si₃Al]O₁₀OH₂
 KFe₃[Si₃Al]O₁₀(OH)₂ -

[10,11]

(1),

[12]:

$$P = \frac{D}{\underline{D}} = \frac{k_1^2}{k_2^3} = \frac{E}{E - V} \quad (1),$$

()

σ [14]:

$$P(\alpha_1) = \frac{1}{(2\pi)^{1/2} \sigma} \cdot \exp - \frac{\alpha_1^2}{2\sigma^2} \quad (2)$$

n- [13]

$$P(\alpha_n) = \frac{1}{(2\pi \cdot n)^{1/2} \sigma} \cdot \exp - \frac{\alpha_1^2 \cdot n}{2\sigma_n^2} \quad (3)$$

$$\sigma_n = \pi,$$

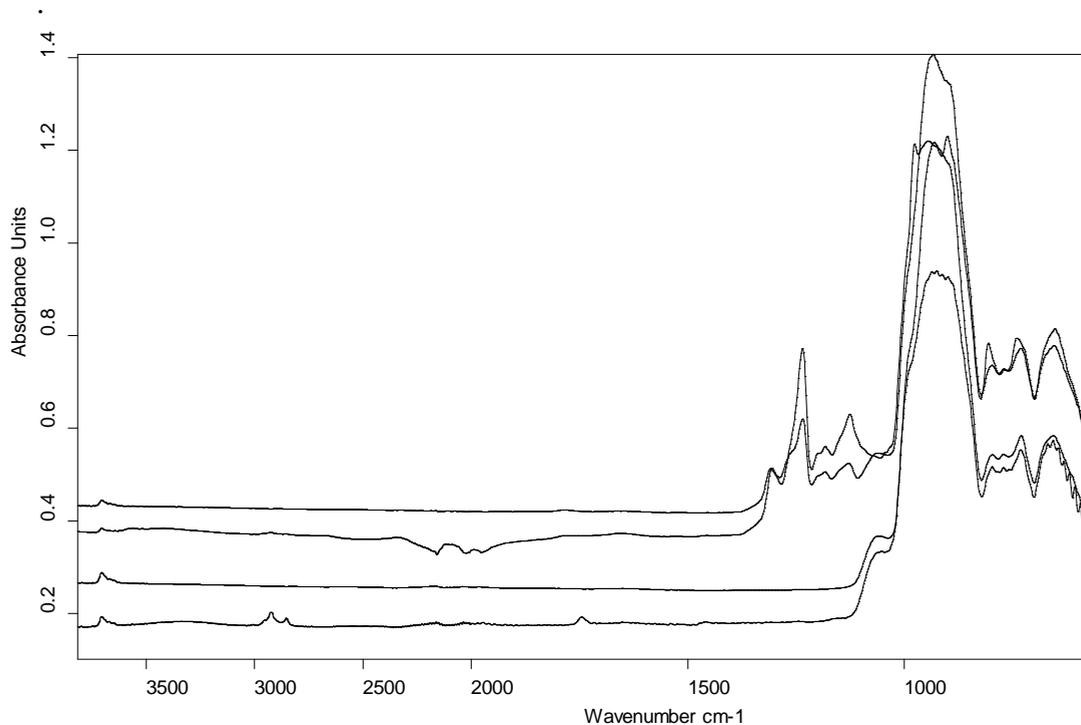
$$n = \left(\frac{\pi}{\delta} \right)^2 \quad (4)$$

$$n \approx 100 \quad [10, 11].$$

$$n \approx 10$$

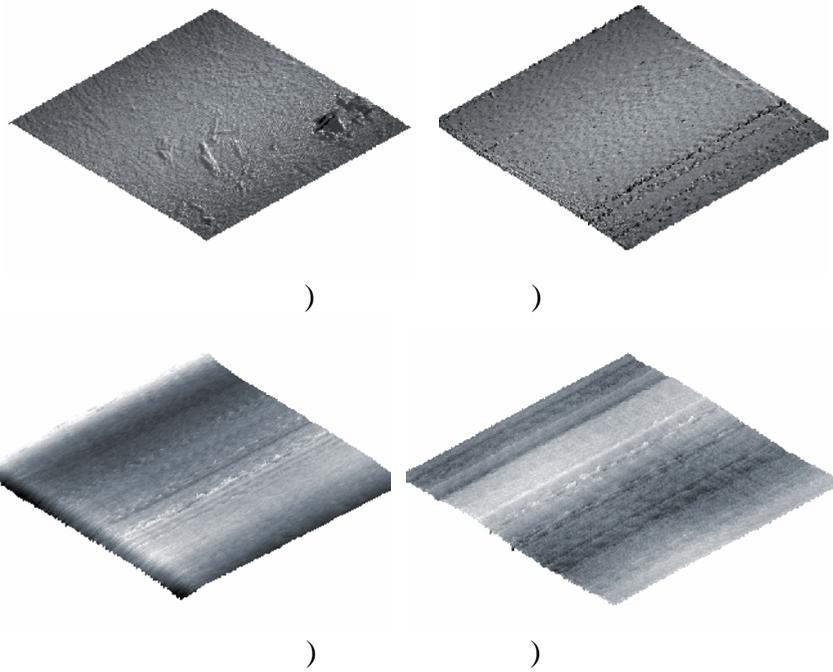
σ

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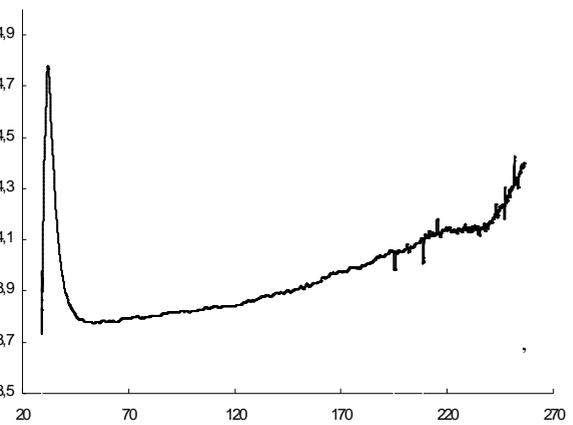
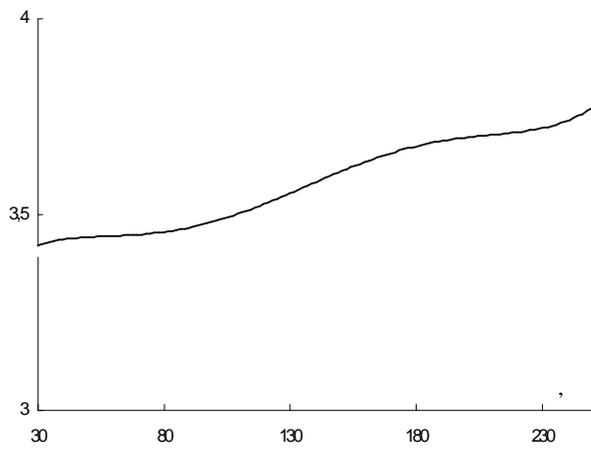


.1. - ; 2- ; 3- 1 (3) ; 4- 1 (3),

. 1
 ,
 700 1800 ⁻¹.
 CF₃-
 1130-1340 ⁻¹
 C-F -F₂.
 1980 ⁻¹
 1780 ⁻¹
 1306 ⁻¹, 10 ⁻¹
 780 ⁻¹ CF₂
 (. 1),

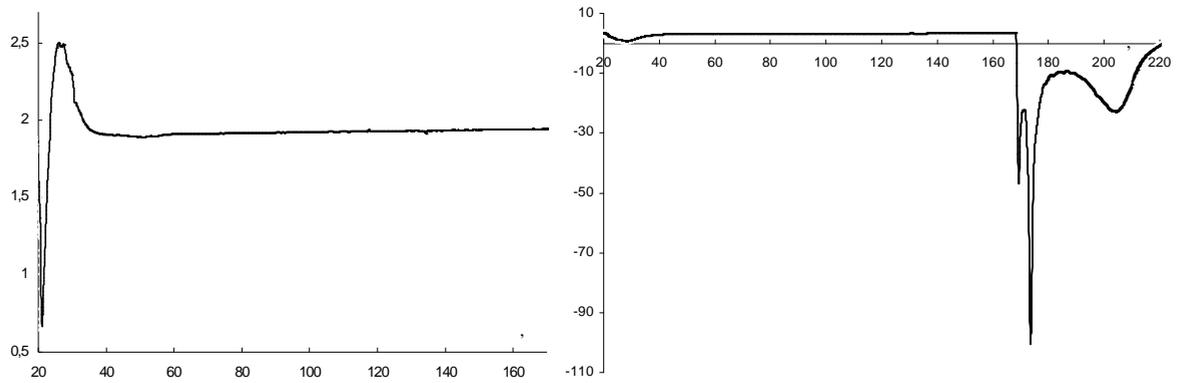


.2. 1: , - ; - 3 3) ; - (

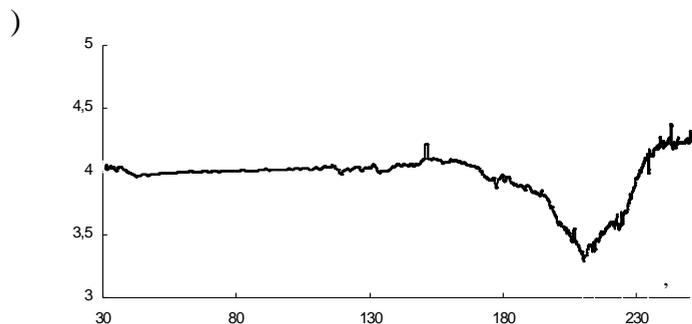


.3. : -

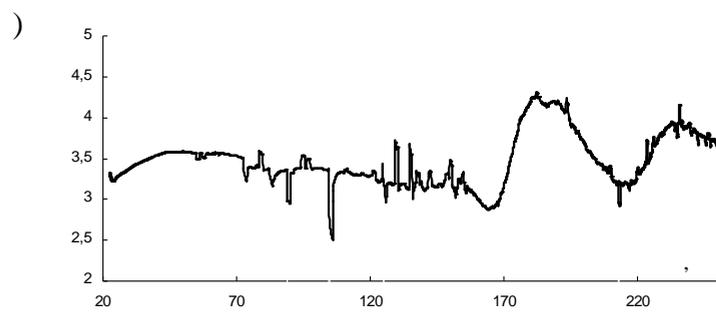
(.3-6).



.4.))



.5.

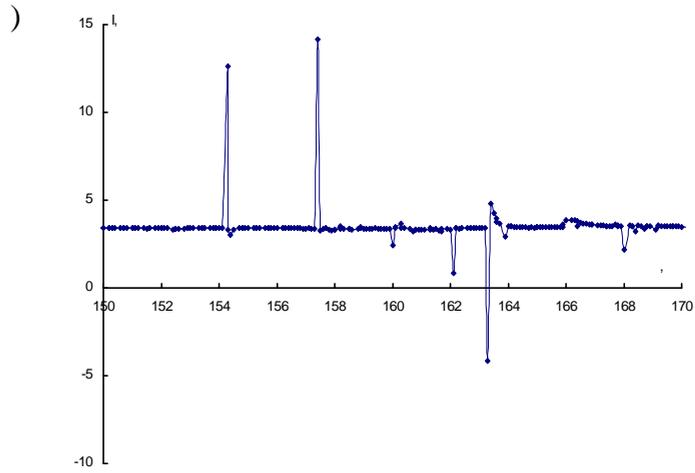


(.3-4)

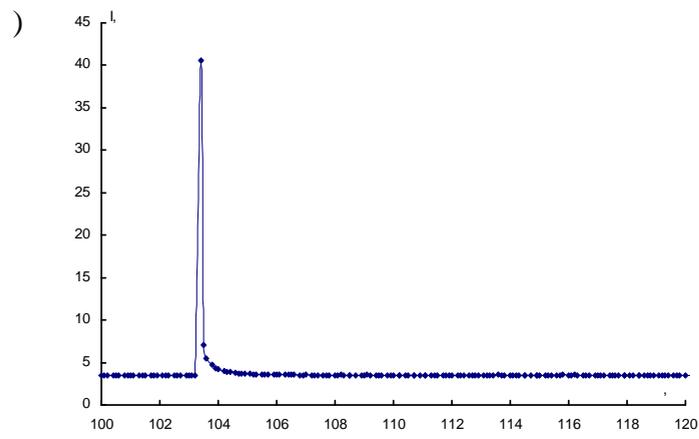
(.3-4).

(.3-4).

()



.6.



(10^{-15} - 10^{-14} с),

()

