

... ..

[1].

( )

250×300

-3.

[2]:

$$\frac{\partial T}{\partial} = \frac{1}{c(T)} \left( F_x + F_z + Q \frac{\partial_{sol}}{\partial} \right), \quad (1)$$

$$F_i = \begin{cases} \frac{\partial \left( (T) \frac{\partial T}{\partial_i} \right)}{\partial_i}, & x, y, z \in i; \\ \frac{(\ ) \frac{\partial}{\partial} - k(\ - )}{\partial}, & x, y, z \in j, \end{cases} \quad (2)$$

T- ; τ- ; λ(T)-  
T; c(T)-

T; ρ<sub>sol</sub> - ; ρ<sub>lic</sub> - ;  
ρ = ρ<sub>sol</sub> + ρ<sub>lic</sub> = 8700 / 3 - ; x, y, z -  
; i - x z; Q - ; T -  
( , . . . )  
y); k -  
( , . . . y); i -  
, j - « - ».

$$3 - 232; \quad -173 \quad / ( \quad^2 \quad ); \quad 1 - 1200 \quad / ( \quad^2 \quad ); \quad 2 - 464; \quad -$$

$$T(\tau) \quad (1) \quad -$$

$$T(x, y, z, \tau + \Delta\tau) = T(x, y, z, \tau) +$$

$$+ \frac{\Delta\tau}{c(T)\rho} \left( F_x(x, y, z, \tau) + F_z(x, y, z, \tau) + Q \frac{\Delta\rho_{sol}(x, y, z, \tau)}{\Delta\tau} \right), \quad (3)$$

$$F_x(x, y, z, \tau) - \quad , \quad [3].$$

$$(380 \times 330 \times 18000)$$

$$\Delta X = 10 \quad , \quad -$$

$$\Delta Z = 10 \quad \Delta Y = 20 \quad .$$

$$\Delta\tau = 0,08 \quad .$$

$$\Delta\rho_{sol}(x, y, z, \tau) = \rho(x, y, z, \tau)(T_{lis}(C_{lis}) - T)c(T) / Q \quad ; \quad (4)$$

$$\rho_{sol}(x, y, z, \tau + \Delta\tau) = \rho_{sol}(x, y, z, \tau) + \Delta\rho_{sol}(x, y, z, \tau); \quad (5)$$

$$\rho_{lic}(x, y, z, \tau + \Delta\tau) = \rho_{lic}(x, y, z, \tau) - \Delta\rho_{sol}(x, y, z, \tau), \quad (6)$$

$$\rho_{sol} - \quad ; \quad \rho_{lic} - \quad ; \quad \rho =$$

$$= \rho_{sol} + \rho_{lic} - \quad ; \quad T_{lic}(C_{lic}) - \quad ,$$

$$0,75 / \quad = 0,0125 / ,$$

$$0,02 \quad ,$$

$$0,08 \quad ,$$

$$0,02 / (0,08 \cdot 0,0125) = 20 \quad .$$

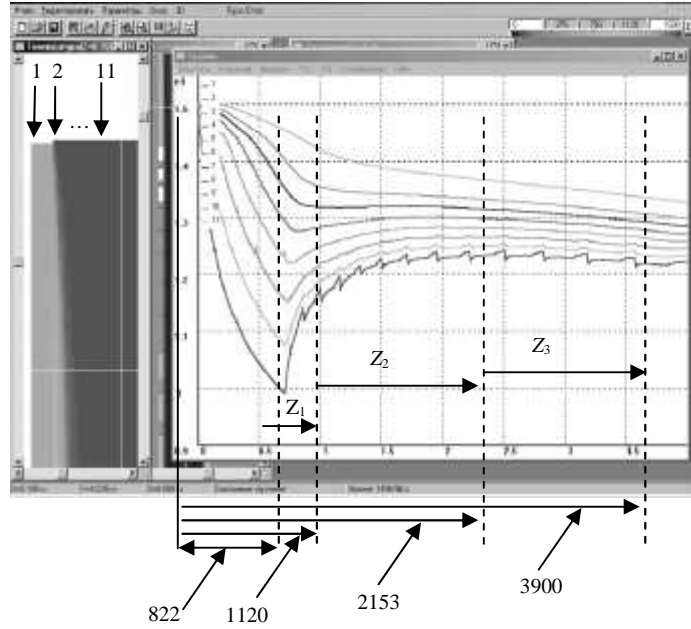
$$3 - 20 \quad 3 \quad ; \quad 4 - 2 \quad 45. \quad : \quad 1 - 70 \quad ; \quad 2 - 40 \quad ;$$

$$\langle \quad \rangle \quad ; \quad -3 ($$

$$[5, 6]$$

. 1.

. 1



. 1.

« 1 ( - - ) - 3  
 - 2 ( - - ) - 3  
 ( - - )» - 3  
 ( 80 , 250×300 )

. 2  
 = 0,125 ,

Z = 0,0025

-3,

( . 2),

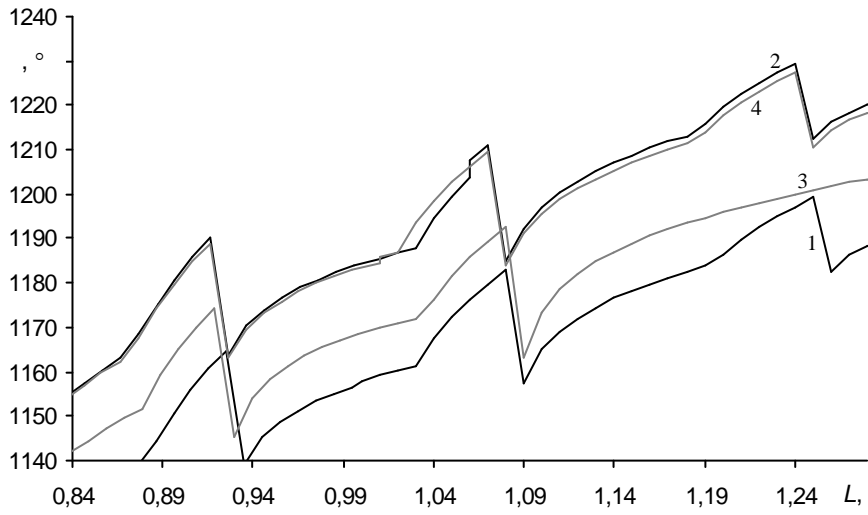
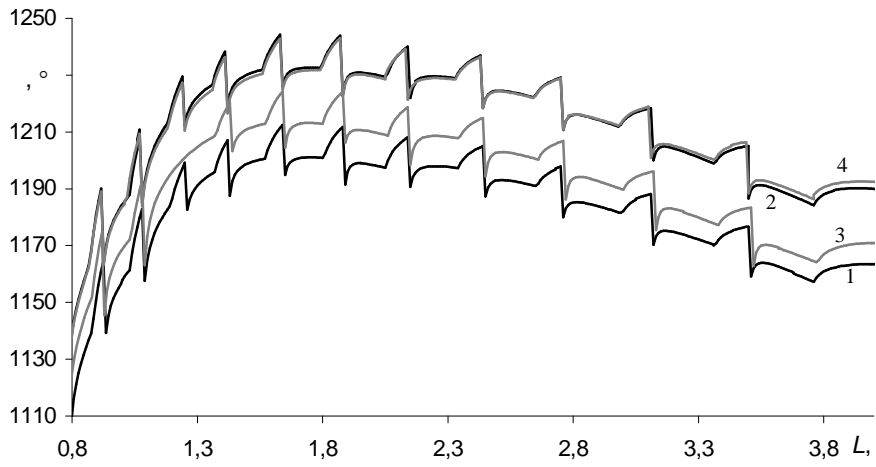
0 0,84  
 0,0025 ( ) ,

( . 2 )

40 ,  
 70 .

20 3 2 45

70 40 .



. 2.  $Z = 0,0025$   $\frac{1}{(1 - 70, 2 - 40, 3 - 40, 3, 4 - 2, 45)} = 0,125$  ,

$1 + \frac{1}{(1 - 70, 2 - 40, 3 - 40, 3, 4 - 2, 45)}$  ; -

(  $0,84 \dots 1,28$  ( . 3)  $-1 +$  )

40 .

0,84...0,86; 0,93...1,02; 1,09...1,15

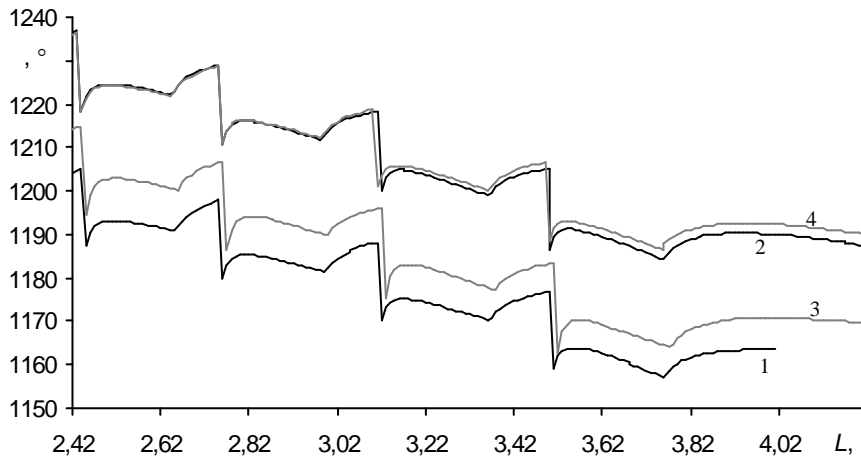
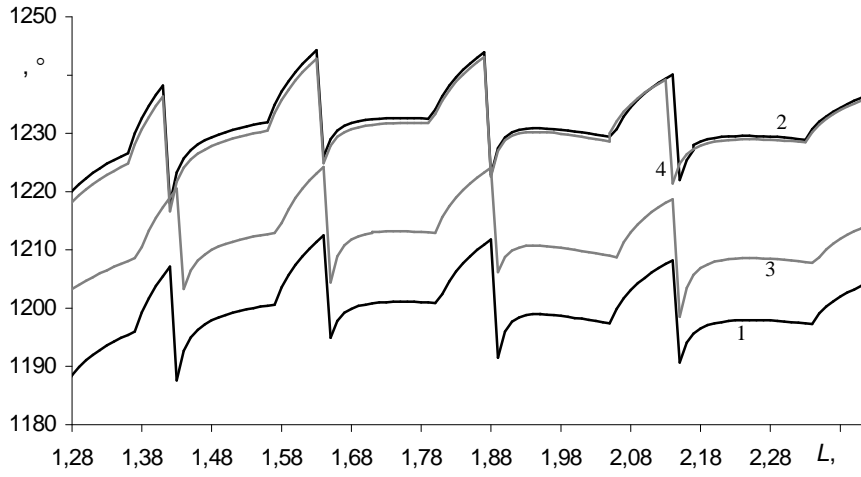
20 3 .  
2 45 ,

0,84...1,28

20 3 .

1

20 3 ,  
2 45, -



. 3.  $Z = 0,0025$   $\frac{1}{2} = 0,125$  ,  
-  $-3(1-70, 2-40, 3-40, 3, 4-2, 45)$

250×300

70 , 40 , 20 3 , 2 45

0...4,3  
40

2 45  
70

-3

70  
20 3  
40

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2. . - 2003. – 2. – . 42–48. //
3. . - 3d- //
4. i . i . i . - 1999. – 1. – . 65–69. « » - /  
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( ). -  
[1...3]. -  
( , -  
) . -  
[4...8]. -