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The computer program for viscosity and superficial tension of glass-melt and temperature factor of linear
expansion of glass calculation with a wide range of a variation oxides, including oxides with variable va-
lency is developed. The computer program differs the raised accuracy of calculation for nonconventional
structures of glass-matrix.
                                                                                                           Fe<sub>2</sub>O<sub>3</sub>,
ZrO<sub>2</sub>, ZnO, CdO, PbO
                     [1 - 6]
                                                                       .).
                     (Fe<sub>2</sub>O<sub>3</sub>, CoO, NiO, MnO, CuO, TiO<sub>2</sub>, SnO<sub>2</sub>),
```

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[8]

[7],

50 %). Windows. Delphi [9]  $S = 8,56 \cdot 10^{-7}$   $^{-1}$ ,  $_{-}$   $_{-}$   $S = 22,9 \cdot 10^{-3}$  / , S = 0.345, 7 - 8%. : Li<sub>2</sub>O, Na<sub>2</sub>O, K<sub>2</sub>O, MgO, CaO, SrO, BaO, ZnO, CdO, PbO,  $MnO,\ Fe_{2}O_{3},\ CoO,\ NiO,\ B_{2}O_{3},\ Al_{2}O_{3},\ SiO_{2},\ TiO_{2},\ ZrO_{2},\ P_{2}O_{5},$ F-CuO - $BeO SnO_2 \Gamma \cdot 10^7 = \sum_{i=1}^n x_i,$ 

$$r \cdot 10^7 = \sum_{i=1}^{n} {}_{i} x_{i} , \qquad (1)$$

 $a_i$  –

$$lgy = a_0 + \sum_{i=1}^{n} a_i x_i + (c_0 + c_b x_b + c_{si} x_{si}) / T + c / T^2 + c / T^3,$$
 (2)

$$a_i$$
 -  $x_i$  -  $x_i$ 

$$\uparrow \cdot 10^3 = a_0 + \sum_{i=1}^n a_i x_i + c \cdot T \,, \tag{3}$$

$$a_i$$
 - ,  $x_i$  - ,  $x_i$ 

( . 1),

,

コ 車 23 <del>—</del> Ввод искодных данных Файл Сцавта Опострание Температура, <sup>о</sup>С Химический состав, вес. % SiO<sub>2</sub> CdO  $B_2O_3$ P 2() 5 Al, Oa CuO Расчет Li<sub>2</sub>O TiO<sub>2</sub> Na<sub>2</sub>O Fe<sub>2</sub>O<sub>3</sub>  $K_3O$ COO CaO NiO MgO MnO SrO BeO. ZrO2 SuC; BaO F ZnO Сумма PbO

. 1 –

100 %.

, . 2.

ТК.ТР стекла

а\*10<sup>7</sup>= 52,25

Логарифм вязкости
lgn = 7,04498515890511

Вязкость
n = 11091369.1220791

Поверхностное натяжение
6\*10<sup>3</sup>= 243,827469285051

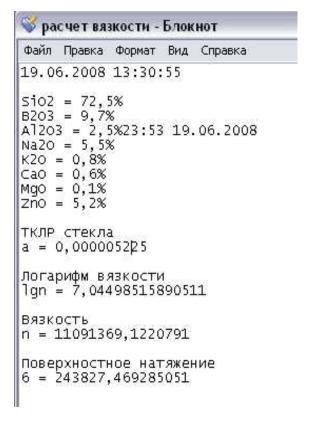
Закрыть

. 2 - « ».

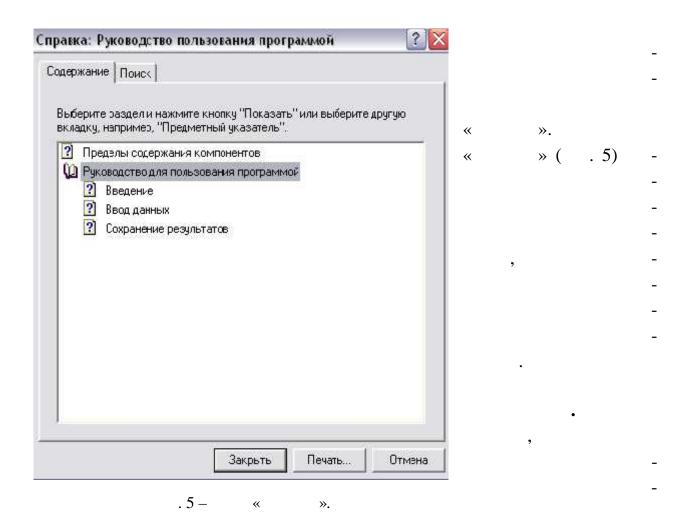
(.3):



( .4).



. 4 –



**: 1.** . . , 1972 – 240 . **2.** . . . .: . . . . . . . , 1988. – 48 . **3.** . . // : , 1999. – 2. - . 25 – 26. **4.** . . // . XV , 1989. – . 2. – . 382 – 385. **5.** . . , . . , . . , . - 1991. - . 17. - 1. - . 200 - 203. // . – 1996. – 8. – . 6 – 8. **7.** . . . . -// . – .: , 1974. – 354 . **8.** . . , . . , . . . . . « ». – , 2004. – 34. – . 30 – 38. **9.** . . : ... . : 05.17.11 -, 2006. – 162 .

19.05.08