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CaO-P₂O₅

CaO-P₂O₅

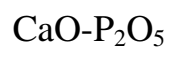
CaO-P₂O₅

$\Delta H_{298}^0, \Delta S_{298}^0$

$C_p = f(T).$

In paper the micronon-uniform structure zinc-titanium borosilicate glass and processes of phase separation in them according to diffusing under vanishing angles of neutrons is investigated. It is drawn a leading-out on distribution of depositing corpuscles character on sizes which changes in studied glasses depending on the contents in them TiO₂ and ZnO. Effect of presence micronon-uniforms after melting on character of their phase separation is established.

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[1].

Ca : P

Ca : P

Ca : P (1,67)

[2].

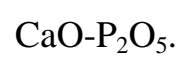
(ΔH_{298}^0 -

, ΔS_{298}^0 -

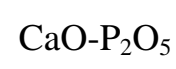
, $C_p = f(T)$ -

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[3].



[4]



() [5].

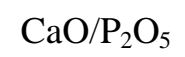
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ΔH_{298}^0

ΔS_{298}^0

[6]



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: $CaO \cdot P_2O_5$,

$2CaO \cdot P_2O_5$, $3CaO \cdot P_2O_5$.

– $4CaO \cdot P_2O_5$.

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					ΔS_{298}^0 , /	ΔH_{298}^0 /
	°C			°C		
$CaO \cdot P_2O_5$	980	1253	1236	963	43,94	77,65
$2CaO \cdot P_2O_5$	1300	1573	1403	1130	54,98	123,6
$3CaO \cdot P_2O_5$	1730	2003	1473	1200	64,51	157,2
$4CaO \cdot P_2O_5$	1630	1903	–	–	74,92	194,1
CaO	2580	2853	–	–	151,9	9,5
P_2O_5	585	858	–	–	392	–

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	p—————				
	a	'	$b \cdot 10^3$	$b' \cdot 10^3$	$-c \cdot 10^{-5}$
$CaO \cdot P_2O_5$	38,94	-73,2	17,4	101,2	–
$2CaO \cdot P_2O_5$	48,28	304,5	19,25	- 151,4	–
$3CaO \cdot P_2O_5$	56,9	133,7	22,13	- 27	–
$4CaO \cdot P_2O_5$	79,9		6,5		11,6
CaO	11,67		1,08		1,56
P_2O_5	–		–		–

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 $T > 500$ -
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 $4CaO \cdot P_2O_5$ II , -

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 [3].

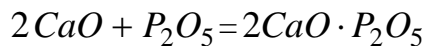
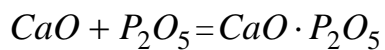
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$$G^\circ = H^\circ - T S^\circ,$$

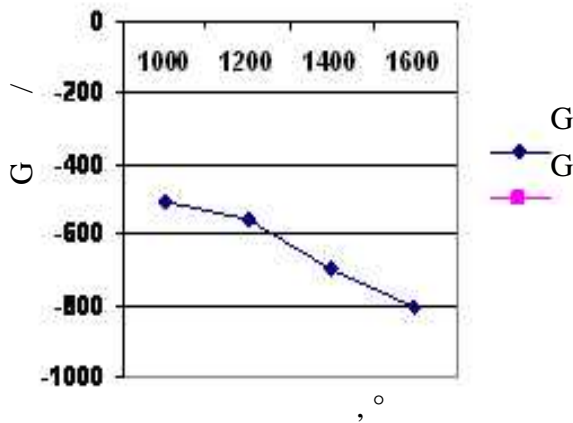
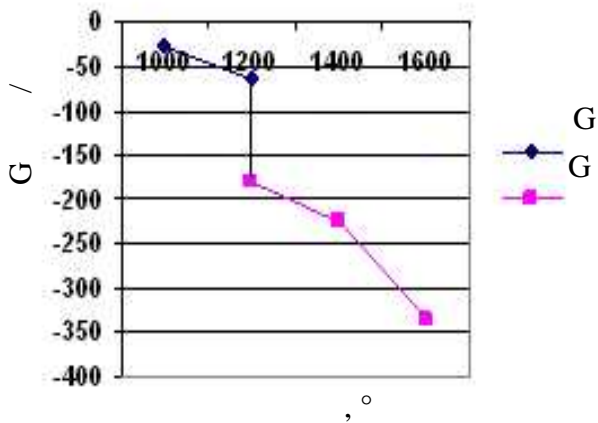
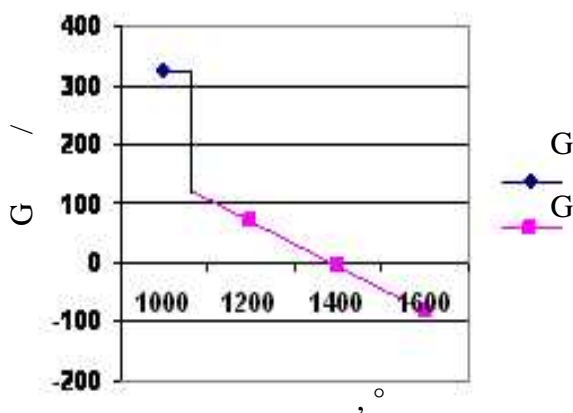
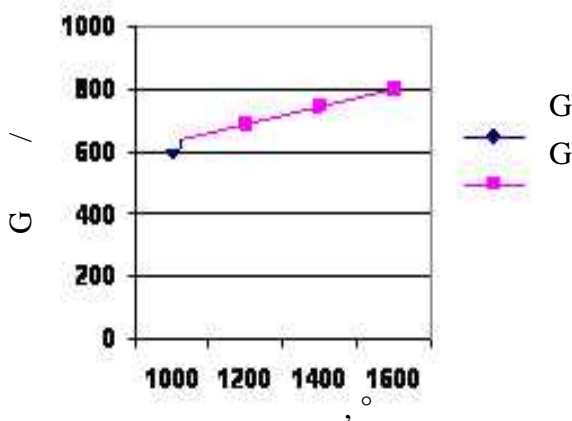
$$G^\circ - T S^\circ$$

$$; H^\circ -$$

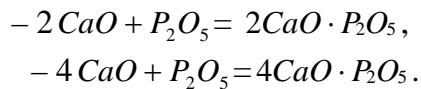
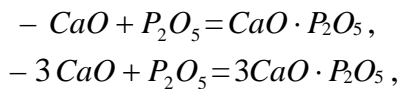
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G -
G -



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CaO/P_2O_5 2 4,

CaO-P₂O₅

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: , 1962. - 214 . 4. Kreidler T.A., Hummel F.A. phase relationships in the system SrO-
P₂O₅ and the influence of water vapor on the formation of Sr₄P₂O₉ // Inorg. Chem. - 1967. - Vol.6, Nr.5 -
P. 884-891. 5. , 1989. - 116-118 . 6. ,1972,1986. - 408 .

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The results of researches of synthetic motor oils of foreign manufacture by the standard techniques used in criminalistic research, and also by means of a dielectric method are resulted. Application of such parameter as relative dielectric permeability allows to establish the nature of researched oils at a preliminary investigation phase.