

$$T_S = p_{SB} \cdot x_{SB}^2 + q_{SB} \cdot x_{SB} + T_{MA} \quad (1), \quad T_L = p_{LB} \cdot x_{LB}^2 + q_{LB} \cdot x_{LB} + T_{MA} \quad (2),$$

x_{SB}, x_{LB} —

, . %; $p_{SB}, q_{SB}, p_{LB}, q_{LB}$ —

0 limB

: $k_{0 \text{ limB}} = q_{LB}/q_{LS}$.

0 limB

(x_{LB})

().

: $(d T_{MA}/dx_s)X_s = -q_s$ $(d T_{MA}/dx_l)X_l = -q_l$.

$T_{MA}=f(\lg x)$

$\lg k_{0 \text{ limB}} = \lg x_s - \lg x_l$.

0 limB.

(. 1.)

. 1.

1

— ()

	p_s	q_s	p_L	q_L	0 limB
In – Sn	0.0181	-1.6445	0.0036	-1.1530	0.7
In – Bi	0.7542	-14.1676	-0.0452	-3.2515	0.23
In – Cd	0.4738	-5.6022	0.0884	-2.2931	0.4
In – Hg	-0.2876	-5.6048	-0.0626	-2.9824	0.53**
In – Ca			-0.5575	35.8516	7.2*

*

0 lim a

$LB \rightarrow 0,$

0 limB

[4]. **

0 limHg

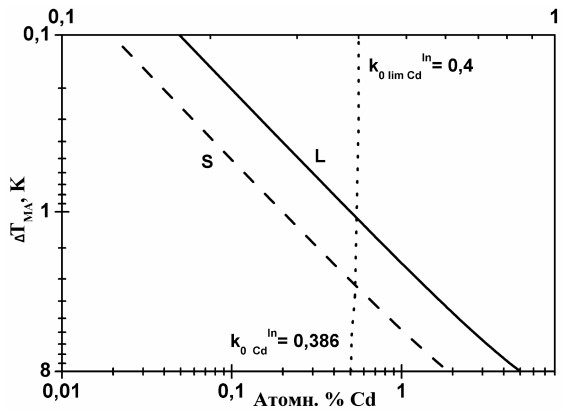
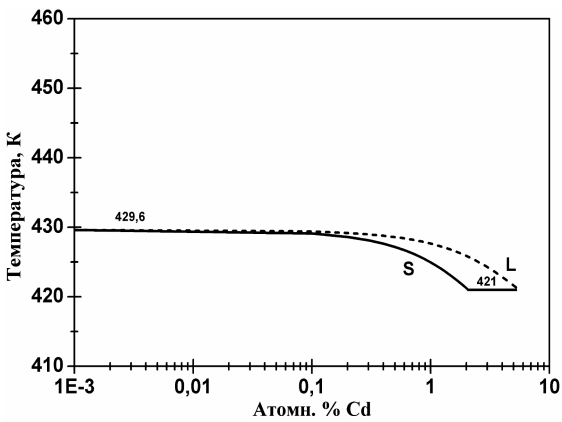
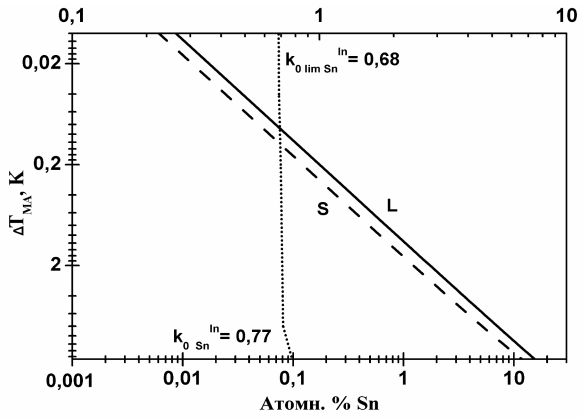
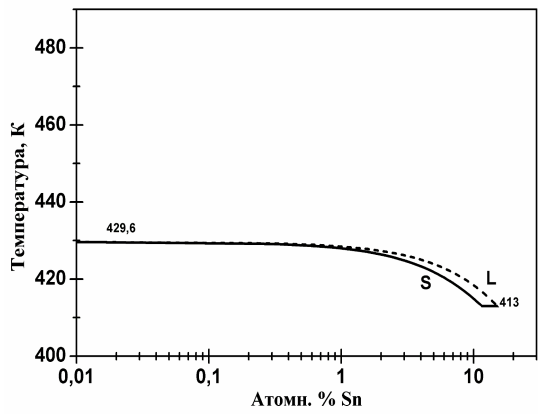
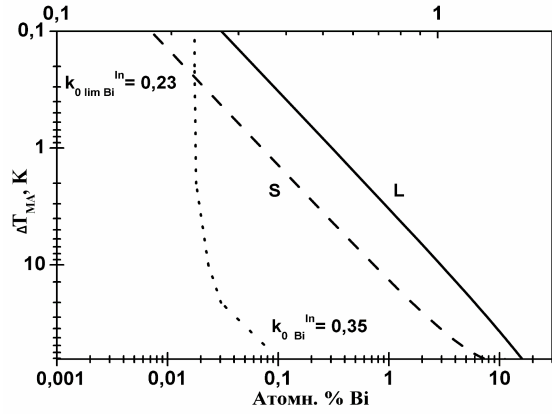
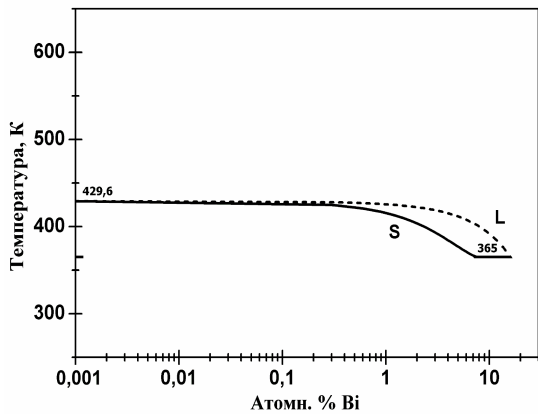
().

. 1

In – Bi, In – Cd, In – Sn

0 limB

[5].



. 1.

In – Bi, In – Cd, In – Sn.

. 2

$R(C_0)$

$$R \geq \frac{GDk_0}{q_l C_0 (1 - k_0)}, \quad (4)$$

q_l –

, 0 –

, R –

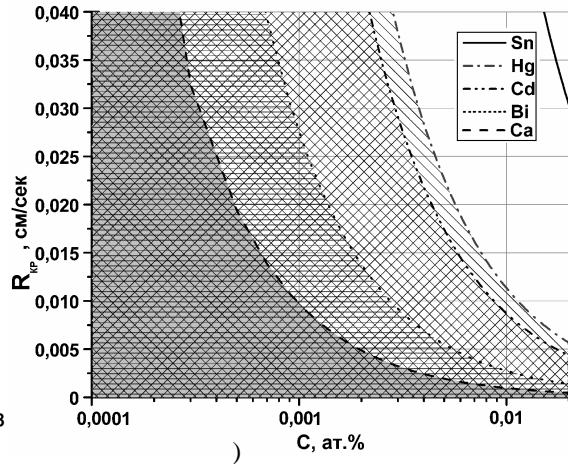
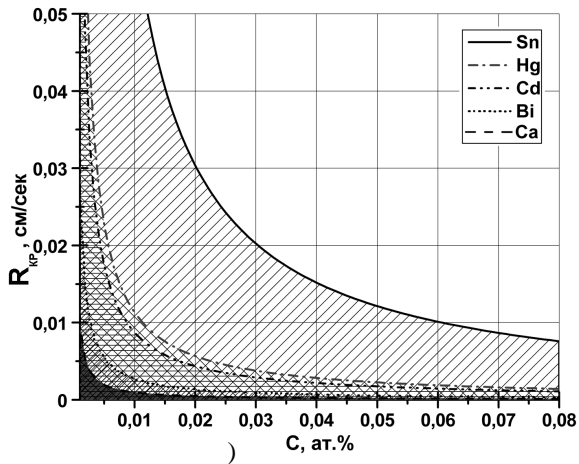
, k_0 –
, D

. 2.

Sn, Hg, Cd, Bi Ca In.

. 2

[5].



In

Sn, Hg, Cd, Bi Ca.

$$G = 10 \quad / \quad .1$$

$$C_0 \quad 0 \quad 0,08 \quad .\%, \quad .1$$

$$3 \cdot 10^{-5} \quad 0,02 \quad .\% . \quad D$$

$$k_0 \quad 0 \quad \text{lim} B, \quad ,$$

$$q_l, \quad .1. \quad R ,$$

Sn, Hg, Cd, Bi, Ca

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2. //
3. , 1987. 320 . //
4. , 1996. //
5. Tiller W.A., Rutter J.W. // Canad. J.Phys. 1956, v. 34, p. 96.