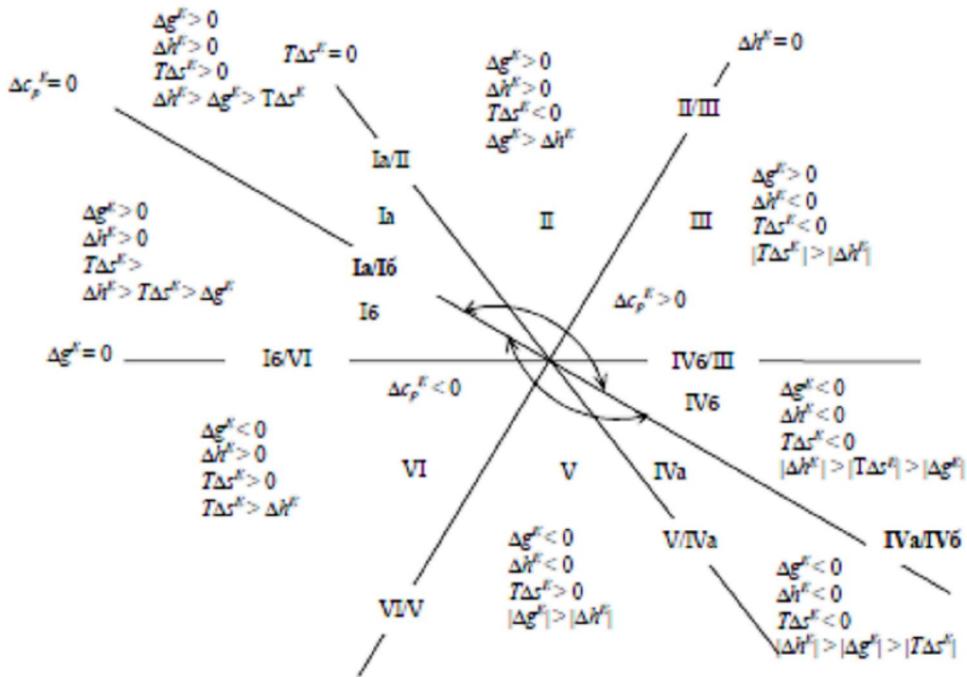


. 1.
) HF () ó BrF₃ (1-) [5];) () ó (1-), 760 . . [6];
) () ó (1-) 380, 570 ♦♦♦ 760 . . [6];
) () ó (1-) 298.15 [7].



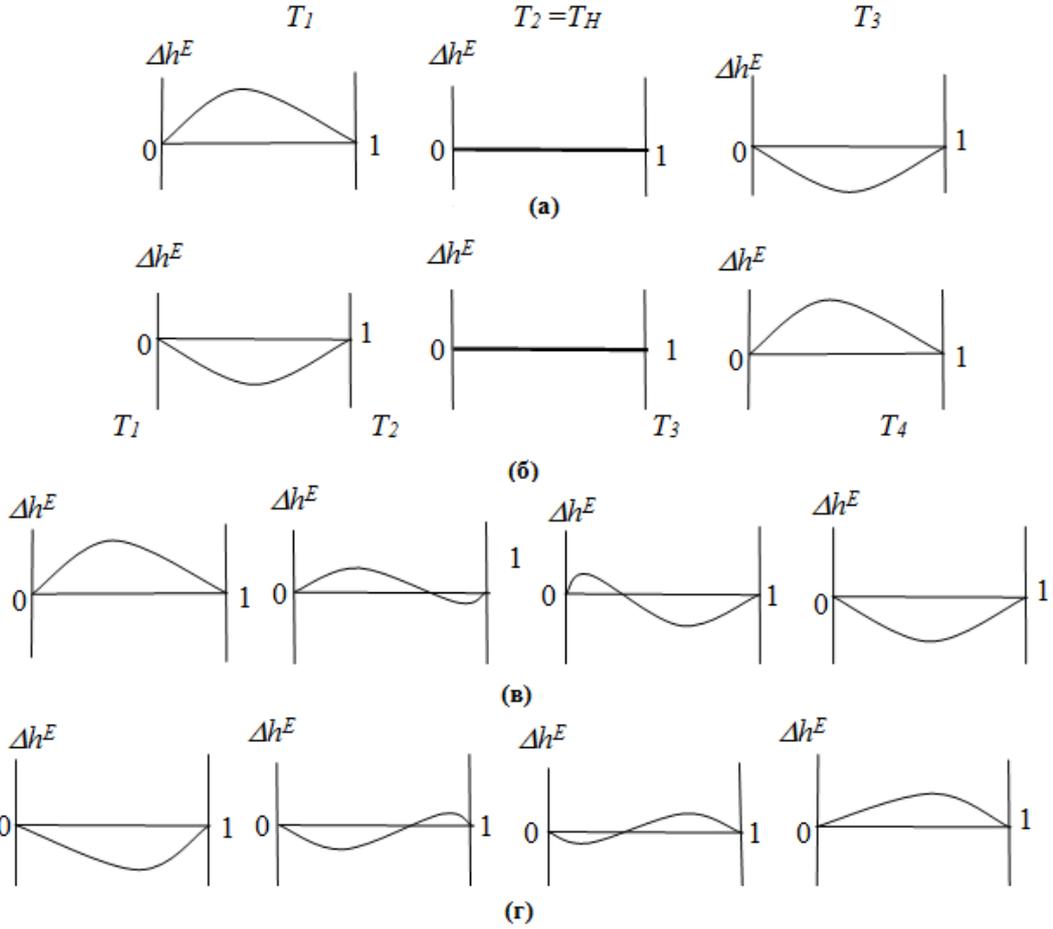
. 2.

[14616].

$$\Delta h^E(x), \quad (\dots 3 \dots), \quad \dots$$

$$\Delta h^E(x) = 0$$

« ... » (... 3 ...), (...) c



. 3.

),) ;),)
 $T_1 < T_2 < T_3 < T_4$

[3]. $4) \left(\frac{\partial \Delta L_i^0}{\partial T} \right)_P > 0; = 0; < 0. \quad \left(\frac{\partial \Delta L_i^0}{\partial T} \right)_P = 0$

$$\Delta L_i^0(T) = L_1^0(T) - L_2^0(T)$$

- 1) $\left(\frac{\partial \Delta L_i^0}{\partial T} \right)_P > 0;$ $L_i^0 = const$ [2]. $L_1^0(T) = L_2^0(T)$
- 2) $\left(\frac{\partial \Delta L_i^0}{\partial T} \right)_P < 0;$ $\Delta L_i^0 \quad \Delta h^E(x).$
- 3) $\left(\frac{\partial \Delta L_i^0}{\partial T} \right)_P < 0; = 0; > 0;$ $T_H (3, 7, 15, 27, 31)$
 $T_L (37-48).$
 (39, 43).

$$L(x) = L(x, T) \quad (3)$$

$$\Delta h^E(x) = \bar{L}_1 - \bar{L}_2 - \Delta L_i^0 \quad (2)$$

Exsel,
=const

ChemCad.

$$L_i^0(T) \quad (L = L^a)$$

[16].

$$L(x, T)$$

$$\Delta L_i^0 \quad \Delta h^E(x)$$

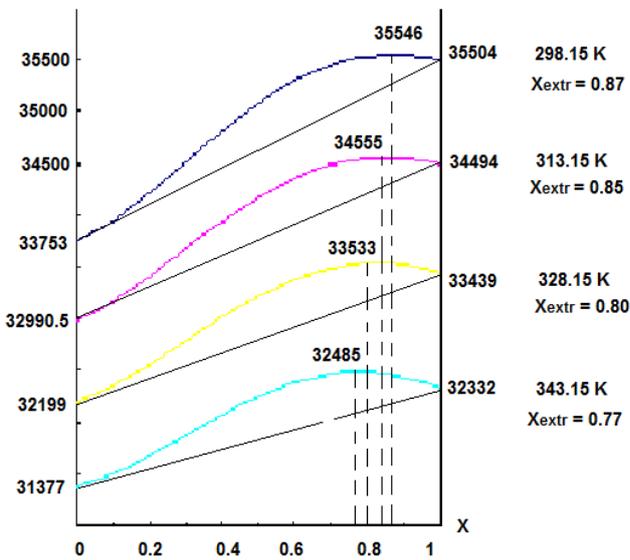
$$L(x, T) \quad (5)$$

$$L(x, T)$$

$$\frac{dx_1^{Az}}{dT} = x_1 x_2 \frac{L_1^0 - L_2^0}{RT^2} \quad (4)$$

(4)

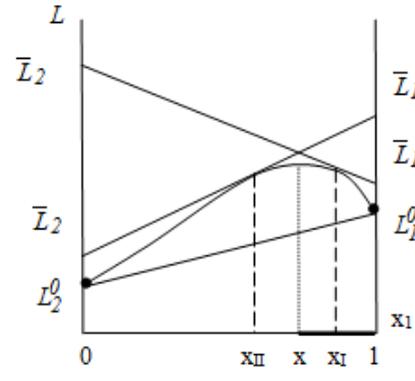
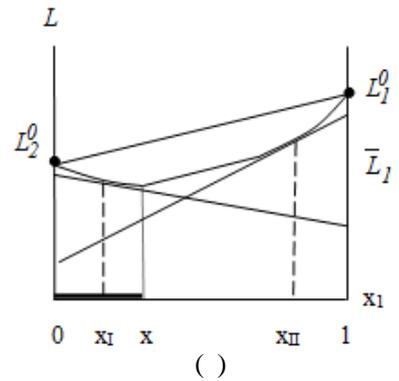
L, Дж/моль



. 5.

$$\Delta h^E(x) \quad (12)$$

$$0 < x_I < x < x_{II} < 1 \quad (6)$$



$$\frac{dx_1^{Az}}{dT} = \frac{x_1 x_2}{1 - \frac{\partial y_1}{\partial x_1}} \left[\frac{\bar{L}_1 - \bar{L}_2}{RT^2} \right] \quad (3)$$

(1)

$$\Delta h^E(x) > 0; \quad \Delta h^E(x) < 0.$$

$$L = L^a$$

$$\Delta h^E(x) \neq 0.$$

[9, 16].

$$L = L^a$$

(3),

L_D

$$Q = D(R+1)L_D,$$

$$L(x) \quad P=\text{const} \quad T_D=\text{const}.$$

$$D \text{ ó } , R \text{ ó } , L_D \text{ ó } T_D.$$

(5)

$$L_D \approx L_i^0.$$

$$L \approx L^{ad}.$$

$$\Delta h^E, \quad (2),$$

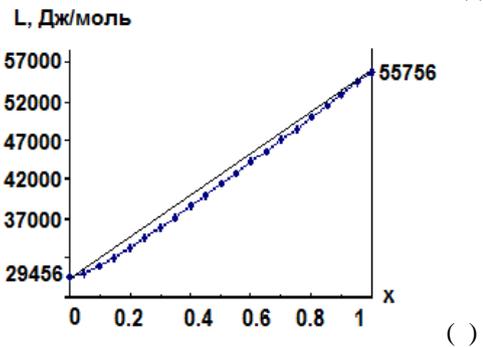
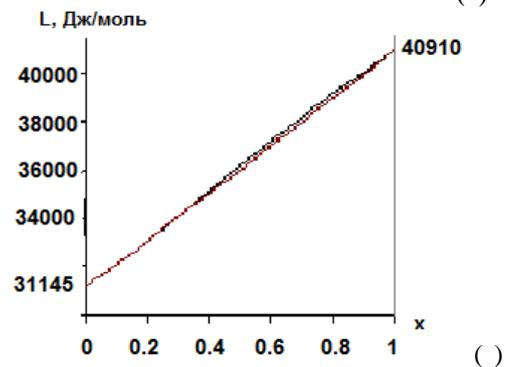
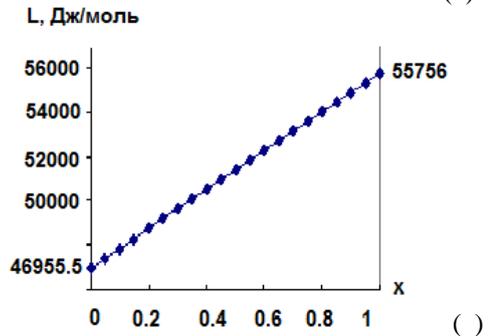
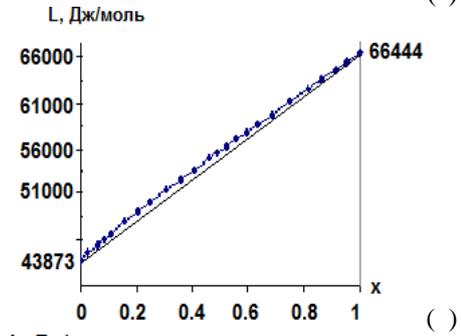
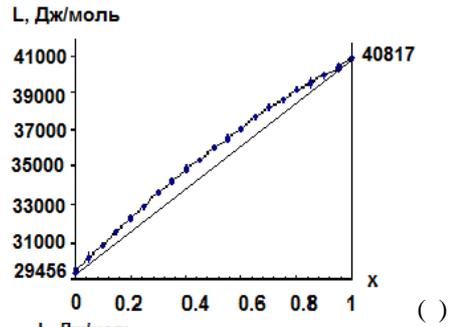
$$\Delta h^E \quad L$$

. 8.

[4]

$$\Delta h^E(x,T)$$

$$L(x,T)$$



. 7.

a) () ó , 298.15 : (1-) [17]; () ó (1-) [12]; () ó (1-) [18]; () ó (1-) [12]; () ó (1-) [17].

