

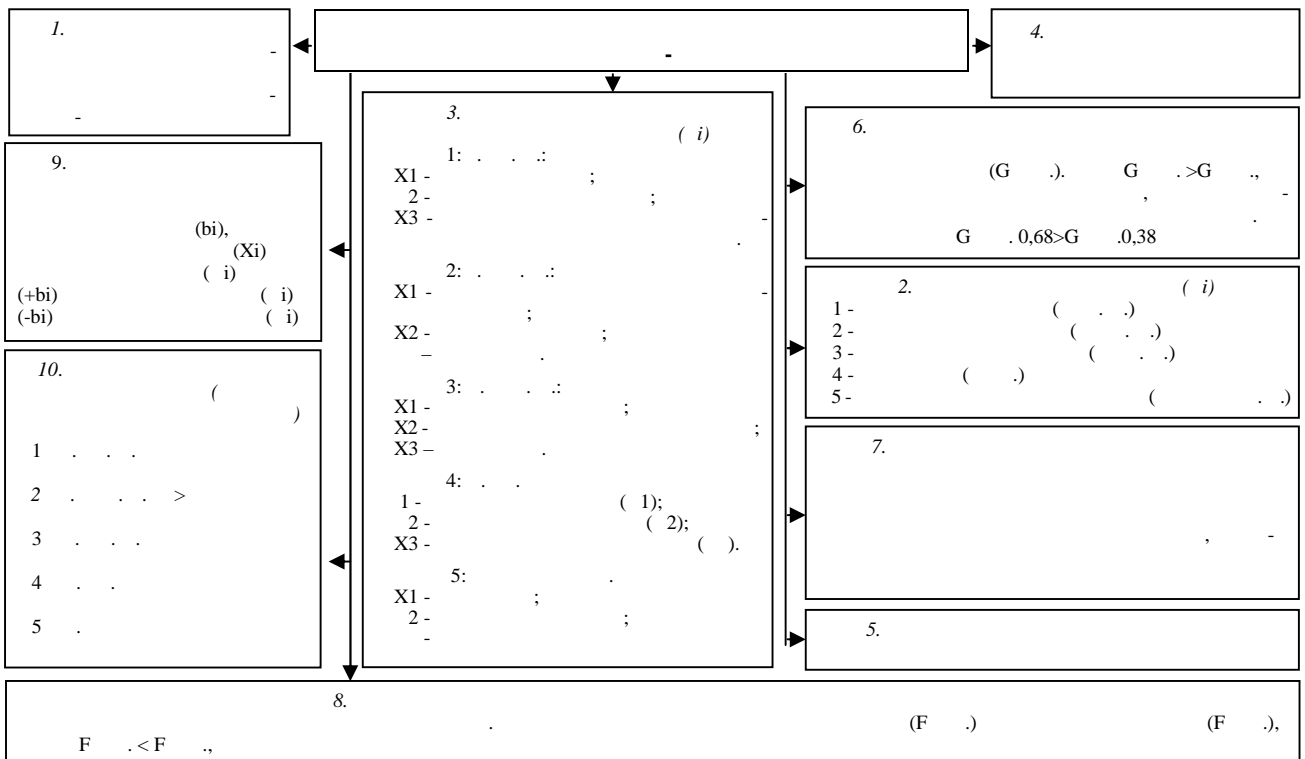
Developed recommendation and suggestion on the increase of efficiency of innovative-investment activity of industrial enterprises on the basis of methods of prognostication of pricing with optimum expenses on the projects of innovative-investments of enterprise.

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2008 – 2009 .

[1-6],

(. 1).



$$y = b_0 + \sum b_i x_i + \sum b_{ij} x_i x_j + \sum b_{ii} x_i^2 + \dots, \quad (1)$$

x_i -
 $b_0; b_i; b_{ij}; b_{ii}$ -

1.

2.

(2),
 (5).

(3),

(4)

(1),

3.

() -
 ;
 () -
 ;
 () -
 ()
 (J) -

$$(J), \quad = -J;$$

$$J = (\quad) / 2. \quad (2)$$

$$(\quad) \quad (X)$$

$$x_i = (X_i - X_{i0}) / J, \quad (3)$$

X_{i0} -

4.

$$: +1 \quad -1.$$

1, 2, 3,

(+) (-).

$$N = 2^k = 2^3 = 8, \quad (4)$$

$$N - k = 3 - 2 = 1, \quad (b_0) \quad (+) \quad (-), \quad \theta = +1, \quad 1, 2, 3$$

$$y_i = \dots, \quad \bar{Y}_i = (y_1 + y_2) / 2, \quad (5)$$

$$5. \quad \dots, \quad (),$$

$$b_i = \left(\sum_{u=1}^N x_{iu} \cdot y_u \right) / N, \quad (6)$$

$$x_{iu} = \dots; \quad (x_i), \quad (y_i), \quad (i)$$

$$6. \quad \dots, \quad S^2(\bar{Y}_i) = \sum_{i=1}^N S_i^2 / N, \quad (7)$$

$$\sum_{i=1}^N S_i^2 = \dots, \quad \sum_{j=1}^N S_j^2 = \sum_{j=1}^N \Delta y^2 / n - 1, \quad (8)$$

$$S^2(\bar{Y}_i) = \sum_{j=1}^N S_j^2 / N, \quad (9)$$

$$G = S_j^2 \max / \sum_{j=1}^N S_j^2, \quad (10)$$

$$f = n - 1, \quad G_{\alpha f N} = G_{0.05; 1; 8} = 0.68,$$

$$7. \quad G > G_{\alpha f N}, \quad (\Delta b_i)$$

$$Sb_i^2 = S^2 \left(\frac{Y_i}{N \cdot n} \right); \quad \pm Sb_i = \sqrt{Sb_i^2}. \quad (11)$$

$$b_i = \pm Sb_i \cdot t_{\alpha, N}, \quad (12)$$

$$t_{\alpha, N} = 2,306; \quad \alpha = 0,05;$$

(),

$$x_i = (X_i - O_{yi}) / J_i. \quad (13)$$

8.

S^2

$$S^2 = \left(\sum_1^N (y_j - \hat{y}_j)^2 \right) / N - k - 1 = \sum_1^N \Delta y^2 / f_2, \quad (14)$$

y_j

j

\hat{y}_j

f_2

$$f_2 = N - k - 1 = 8 - 4 - 1 = 3; \quad k = k - k, \quad (15)$$

k

$$k = (k + 1) = 3 + 1 = 4;$$

k

$$F < F$$

$$F < F$$

$$F = S_2() / S_2()$$

9.

()

(b_i)

().

(b_i)

10.

(

).

(x_1, x_2, x_3)

$$x_i = (X_i - O_y) / J_i \quad (\Delta i)$$

1. /
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24.02.2010 .