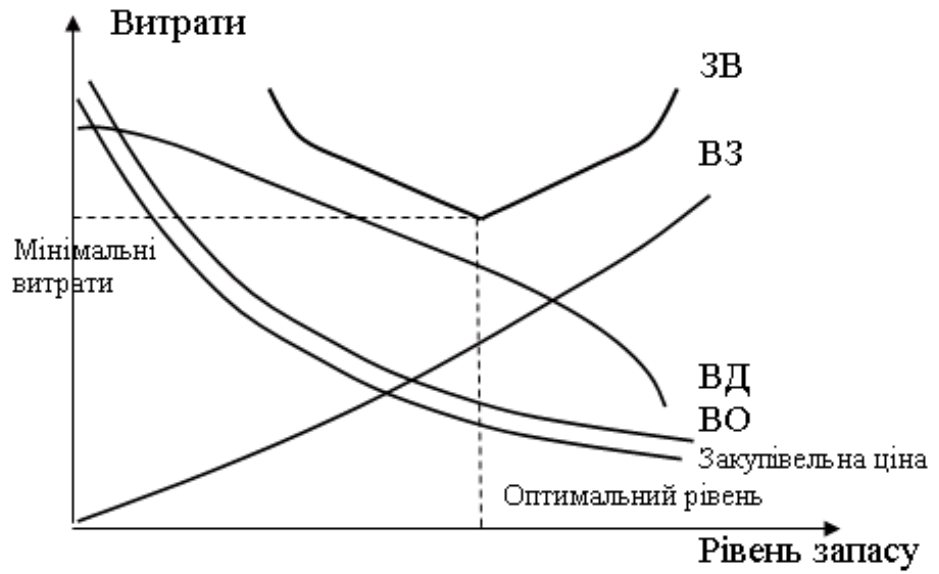


[4],



[5]

.1.

[6].

[7].

[8; 9]

).

)

$$t_p = t_0^* - L. \quad (7)$$

()

$$t_0 = \frac{y}{D}, \quad (2)$$

()

$$P\{x_L \geq B + \mu_L\} \leq \alpha, \quad (8)$$

$$TC(y) = \frac{K + h \cdot (y/2) \cdot t_0}{t_0} = \frac{K \cdot D}{y} + h \cdot (y/2). \quad (3)$$

$$N(\mu_L, \sigma_L)$$

$$N(0,1):$$

$$z = \frac{x_L - \mu_L}{\sigma_L}, \quad (9)$$

$$\frac{dTC(y)}{dy} = -\frac{K \cdot D}{y^2} + \frac{h}{2} = 0. \quad (4)$$

$$P\{z \geq B/\sigma_L\} \leq \alpha \text{ i } P\{z \geq K_\alpha\} = \alpha, \quad (10)$$

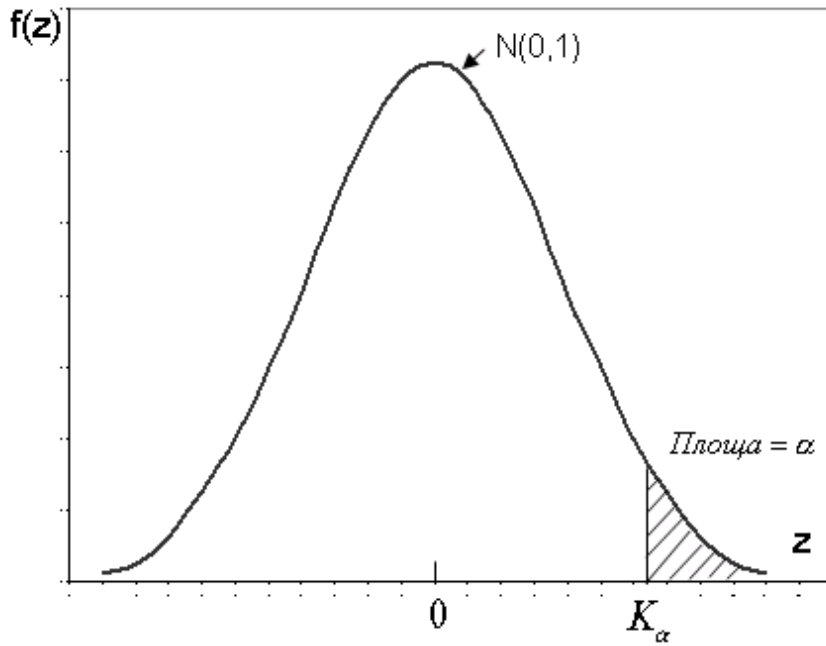
$$y^* = \sqrt{2K \cdot D/h}. \quad (5)$$

$$B \geq \sigma_L \cdot L \quad (11)$$

[1]:

$$t_0^* = y^* / D. \quad (6)$$

$$\mu_L = D \cdot L \text{ i } \sigma_L = \sqrt{\sigma^2 \cdot L}, \quad (12)$$



.2.

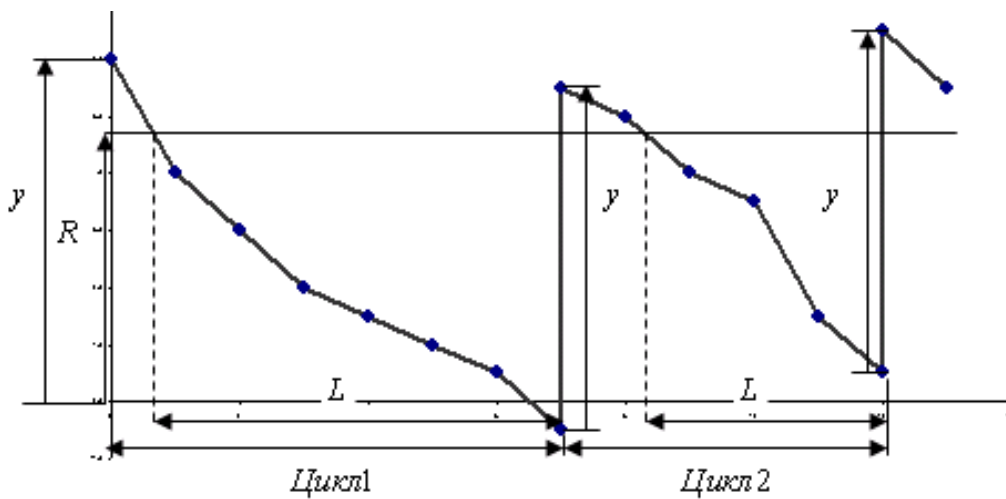
$$P\{z \geq K_\alpha\} = \alpha \quad (\quad , \quad R - M\{x\} < 0),$$

$$TC(y, R) = D \cdot K / y + h \cdot (y/2 + R - M\{x\}) + p \cdot D / y \int_R^\infty (x - R) \cdot f(x) dx, \quad (13)$$

D -
;
 p -
 $f(x)$ -

y R ,
 y^* R^*
(.3.)
 y R

$$y^* = \sqrt{\frac{2D \cdot (K + pS)}{h}}$$



.3.

$$\int_{R^*}^{\infty} f(x)dx = \frac{h \cdot y^*}{p \cdot D}, \quad (14)$$

11241,2

(5),

(6) $t_0 = 4,76$

S-

y^* ,

7081

$y^* R^*$

[4],

$R =$

(8).

0:

$\alpha = 0,05$

$$\bar{y} = \sqrt{\frac{2D \cdot (K + pM\{x\})}{h}}$$

(12) $\mu_L = 7081$

(11) $\sigma_L =$

i

$$\tilde{y} = \frac{p \cdot D}{h}$$

(15)

307,5
506

$\tilde{y} \geq \bar{y}$,

$y R, S = 0$

7587

$$y^* = \sqrt{2D \cdot K/h}$$

3

Microsoft Excel VBA.

$f(x)$

$= 0,0007 M(x) = 7080$

10-

20%, $= 2,54$

(15): $\tilde{y} = 116772$

$>$

$\bar{y} = 41781$

$x > R,$

$$S = \int_R^{7788} (x - R) f(x) dx. \quad (16)$$

(14)

2010

(16) 3
 $y^* R^*$

9657

5 2.

3-5

7671

10-14

($D = 51131$),

($h = 1,11$),

$K = 1000,00$. $L = 3$

$y R$

3. ...) / ... (-
 , 1984. - 256 .
 4. ... / ... - :
 2005. - 912 .
 5. ... / ... , .
 - : , 1999. - 448 .
 6. ... /
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 7. ...
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 . 268-277.
 8. ... / ... , .
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519.87

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UDC 519.87

Kharchenko Yuriy Anatolievich, candidat of technical sciences, assistant professor, cathedra of economical cybernetics, Poltava national technical Yu. Kondratyuk University. **Management with store of material resources in manufacturing enterprises.** The analysis of modern economic-mathematical models of management with store of material resources was made. The models for developing substantiated management solutions of order size and moment of placing the store in manufacturing enterprises is offered.

Keywords: economic-mathematical model, store, material resource.

08.02.2011 .