

623.592:623.618:358.4

. . . , . . . , . . . , . . . , . . .
. . . ,

[7]

()

[8]

() [1].

- 2) : 1) ;
- ; 3) ; 4)
- ; 5)
- [2, 3].

[2, 4].

[5].

[5].

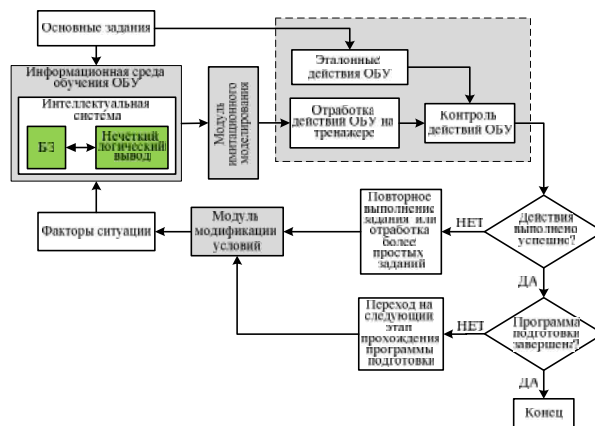
[6].

$y_1 = "$, $y_2 = "$, $y_3 = "$,

$= \{d_1, d_2, \dots, d_8\}$, $= 1, 2, 3$.

[9].

[10, 11].



. 1.

...
 _1: IF $a_1=A_{1,1}$ AND $a_2=A_{2,1}$ AND $a_3=A_{3,1}$ AND $a_4=A_{4,1}$
 AND $a_i=A_{i,1}$ THEN $y=d_1$ ELSE
 _2: IF $a_1=A_{1,2}$ AND $a_2=A_{2,2}$ AND $a_3=A_{3,2}$ AND $a_4=A_{4,2}$
 AND $a_i=A_{i,2}$ THEN $y=d_2$ ELSE
 ...
 _n: IF $a_1=A_{1,n}$ AND $a_2=A_{2,n}$ AND $a_3=A_{3,n}$ AND $a_4=A_{4,n}$
 AND $a_i=A_{i,n}$ THEN $y=d_n$ ELSE (1)

(.1).

[12, 13, 14].

[5].

[6].

IF $a_1=A_{1,1}$ AND $a_2=A_{2,1}$ THEN $y=d_1$ ELSE, (2)
 IF $a_1=A_{1,2}$ AND $a_2=A_{2,2}$ THEN $y=d_2$, (3)
 $a_1, a_2 -$; $y -$;
 $A_{1,1}, A_{2,1}, A_{1,2}, A_{2,2} -$;
 $d_1, d_2 -$.

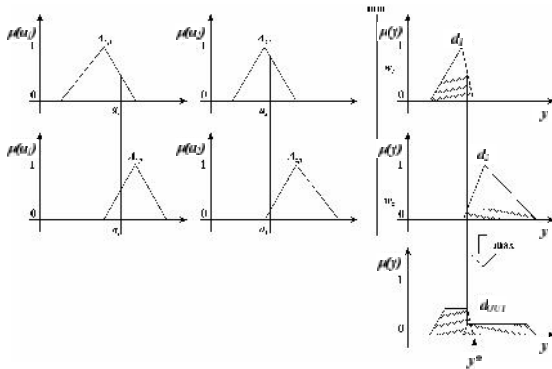
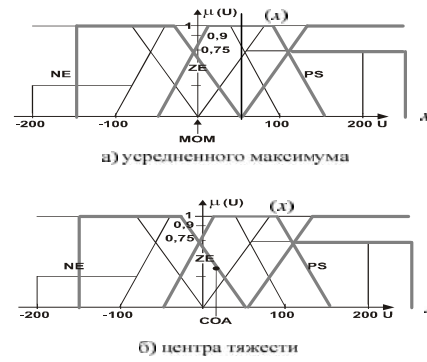
(
); $\mu_{d_i}(y) -$
 $i -$.

(6, 7) $\mu_{d_{OUT}}(y)$.
 \bar{y} .

(MOM)

() (.3 ,) .

.2.
 (w_i)
 $w_i(a_1, \dots, a_{n_x}) = \bigwedge_{j=1}^{n_a} \mu_{i,j}(a_j), \quad i = \overline{1, n_R}, \quad (4)$
 $\bigwedge -$ « »; $n_a -$
 $\mu_{i,j}(a_j) -$; $n_R -$



.2.

.3.

$\mu_{X_{OUT}}(x)$.

() (.3)

$\bar{x} = \frac{1}{n} \sum_l^n x_l^{\max}, \quad (6)$

$\bar{x} -$; $x_l^{\max} -$

x,

; n -

(
 $d_1 \quad d_2$ (.2)).

$\mu_{d_{OUT}}(y)$

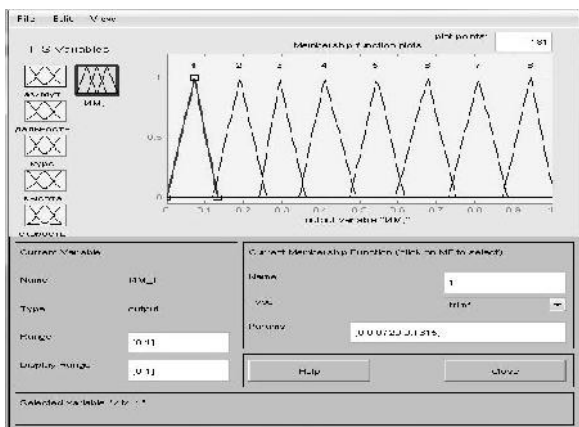
(.3) .

CO

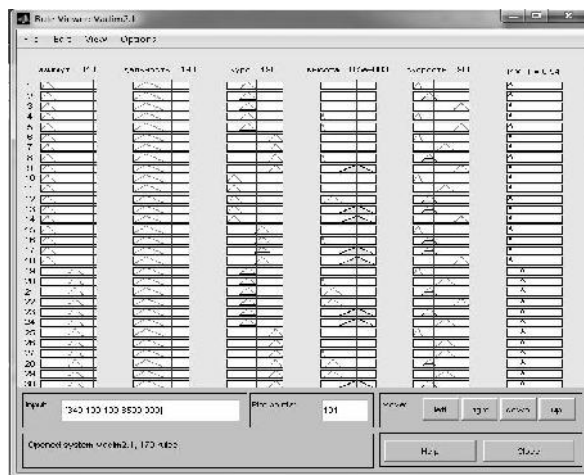
$\mu_{d_{OUT}}(y) = \bigvee_{i=1}^{n_R} (w_i(a_1, \dots, a_{n_a}) \wedge \mu_{d_i}(y)), \quad (5)$

$\bigvee -$,
 « » ; $\bigwedge -$

$\bar{x} = \int_a^b x \cdot \mu_X(x) dx / \int_a^b \mu_X(x) dx, \quad (7)$



. 5.

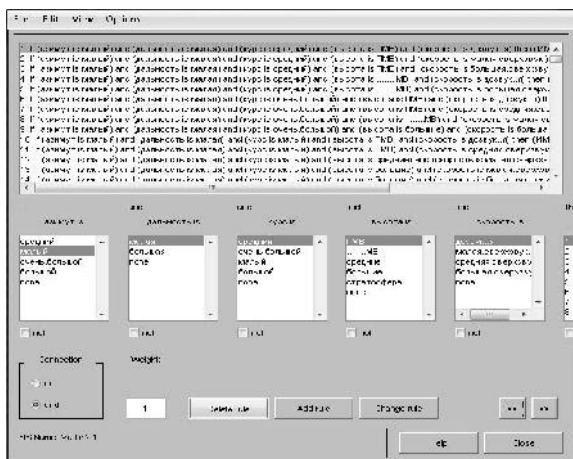


. 7.

[340 190 190 8500 900]

(. 7).

6.



. 6.

" (2), " (3).

(1)

[340 190 190

8500 900]

. 7.

