

621.391:519.237.8

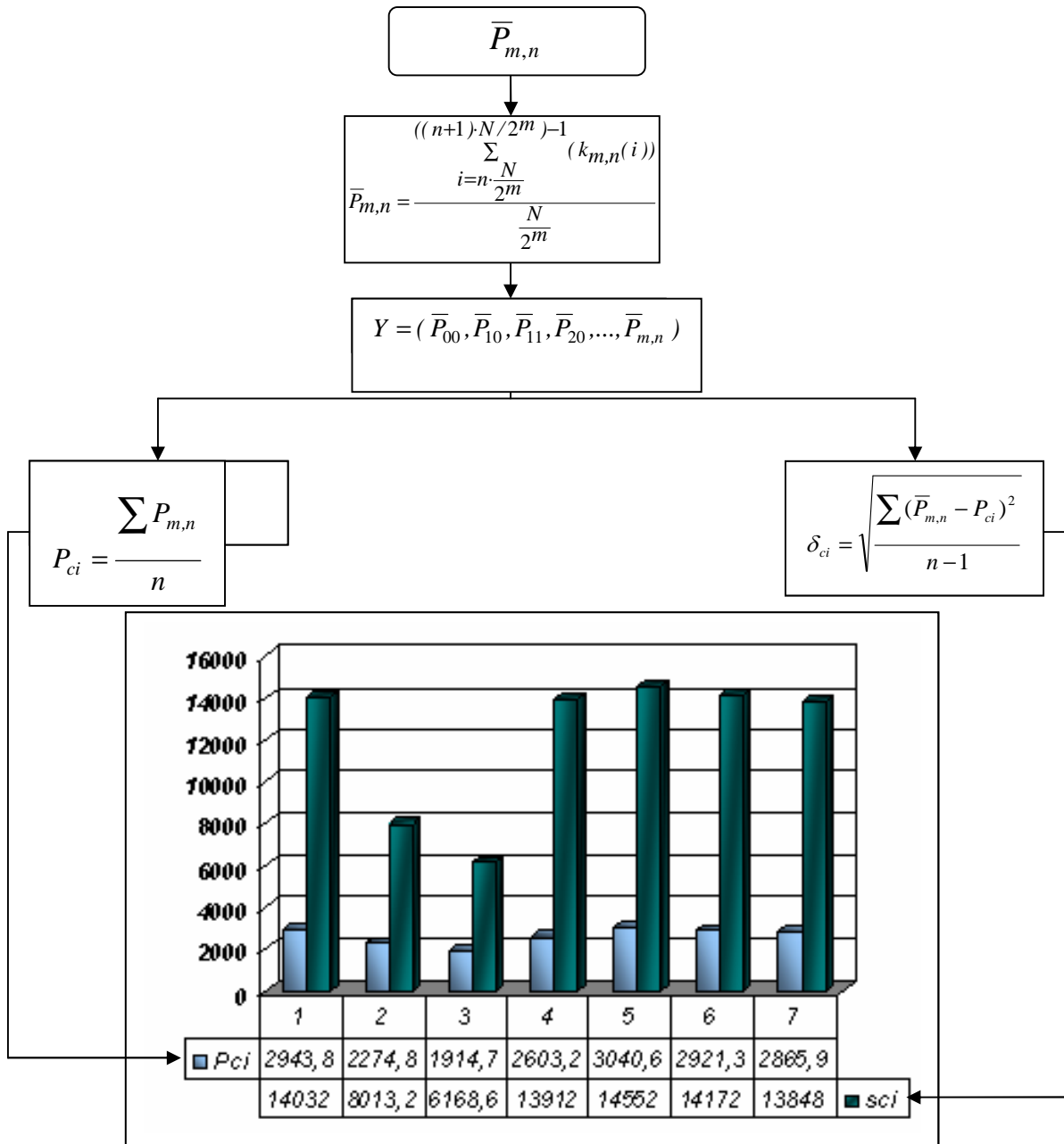
-  
... , . . , . . , ( « »)  
-  
.  
,  
-  
.  
:  
, , , ,  
, , . , , ,  
. ,  
-  
. : , , , ,  
, , . , , ,

*The method of clusterization of information signals on the basis of adaptive factor of a deviation concerning the general sample of values is considered. The way to define the precise borders between clusters that consist of average powers wavelet-coefficient on substrips of decomposition is developed.*

*Key words: wavelet, method of clusterization, recognition, signal, deviation, schedules, electric loading.*

. -  
.  
( )  
. , -  
,  
.  
,  
,  
,  
[1]. -  
- , [2].





. 1.

:

;

;

$$= \frac{i}{\bar{P}_{ci}} \tag{1}$$

, [6], \tag{1}

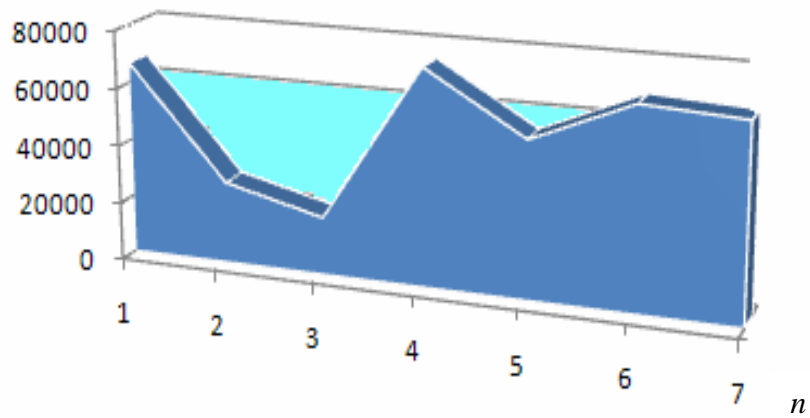
$$= \frac{D_i}{\sum_{i,j=1}^{m,n} P_{m,n}}, \tag{2}$$

$D_i$  - ,

$$D_i = \sum_{i,j=1}^{m,n} (P_{m,n} - \bar{P}_{ci})^2. \tag{3}$$

(2) (3)

( . 2).



. 2.

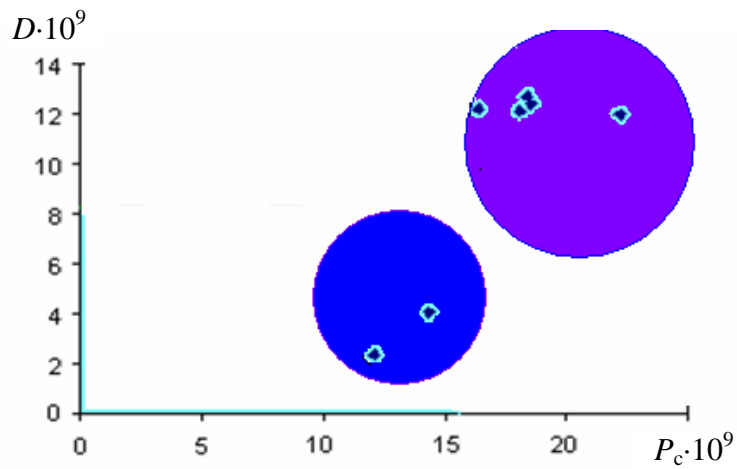
$$\leq >$$

(4).

$$= \frac{1}{2} \left( \frac{D_{\max}}{\sum_{i,j=1}^{m,n} P_{m,n \max}} + \frac{D_{\text{pmin}}}{\sum_{i,j=1}^{m,n} P_{m,n\text{pmin}}} \right), \tag{4}$$

$$D_{\max} \quad D_{\text{pmin}} - \quad ; \quad \sum_{i,j=1}^{m,n} P_{m,n \max} - \quad \sum_{i,j=1}^{m,n} P_{m,n\text{pmin}} -$$

( . 3).



. 3.

$D$

$P_c$

( , , ).

(5):

$$r_{PD} = \frac{N \sum P_{ci} D_i - \sum P_{ci} \sum D_i}{\sqrt{N \sum P_{ci}^2 - (\sum P_{ci})^2}} \cdot \frac{1}{\sqrt{N \sum D_i^2 - (\sum D_i)^2}}. \quad (5)$$

$$r_{P_c, D} = -0,12$$

[7].

$z_j$ ;

$\bar{D}_j$ .

$$z_{Dj} = \sqrt{N_{Dj} \prod_{i=1}^{N_{Dj}} D_i} \quad z_{Pj} = \sqrt{N_{Pj} \prod_{i=1}^{N_{Pj}} P_{ci}}, \quad (6)$$

$N_{Dj}$     $N_{Pj}$  -

$z(z_{Pj}; z_{Dj})$ .

$$\bar{D}_j = \sqrt{(\max(D_i - z_{Dj}))^2 + (\max(P_{ci} - z_{Pj}))^2}. \quad (7)$$

(6) (7)

. 1.

1.

	$P_c$	$D \cdot 10^9$	$\bar{D} \cdot 10^9$
$z_p$	1,75	8,85	6,46
$z$	1,53	7,02	5,17

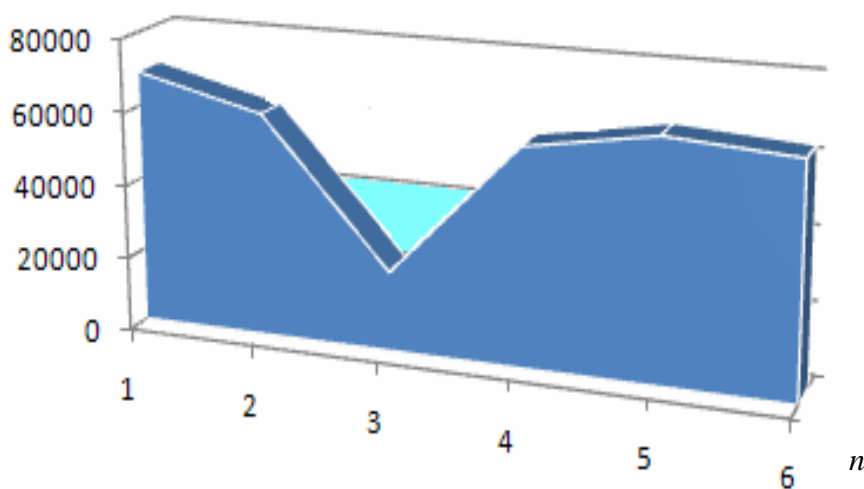
$$\bar{D}_j \geq \sqrt{(D_i - z_{Dj})^2 + (P_{ci} - z_{Pj})^2}.$$

2.

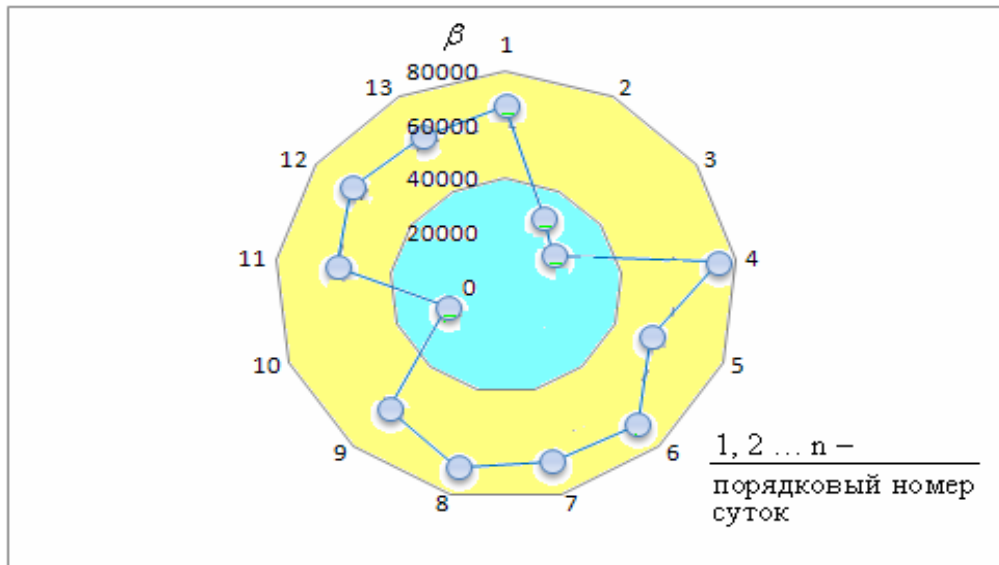
$\bar{D} \cdot 10^9$	$\bar{D} \cdot 10^9$	
6,5	5,1	+
	5,95	+
	8,43	-
	6,18	+
	5,76	+
	5,82	+

4.

( 5).



4.



. 5.

1. / . . . - : . - 1996. - . 166. -
11. - . 1145-1170.
2. . . . . - . - 2001. - . 171. - / . . . , . . . . - 5. - . 465-501.



3. . . .  
- / . . . , . . . , . . . .  
- ∴ , 1985.-232 .
4. . . .  
. . . // .-2009.- 1.- .39-43. - /
5. C. . . - /  
C. . . // , 2004.- . 14.- /  
1.- .57-65.
6. . . - /  
. . . .- .-2002.- 2.- .48-56.
7. . . .-2008.- 4.- .128-136.  
/ . . . -