$$A^{\circ} = 1\%$$
 $B^{\circ} = 23\%$ 
 $7 = 5 + (\frac{A}{0.2} - 5) \cdot (\frac{B}{3} - 9)$ 
 $7 = [yen. eg. 7]$ 
 $A = B = [\%]$ 

#### 1 экспериментатор

В		9	и	%
U	-	x	1	10

A,10	0,8	0,5	1,0	1,1	1, 2
7, 40.09	6.0	15,5	5.0	4,5	4,0

A= 0,8%

### 2 экспериментатор

B	=	27	%

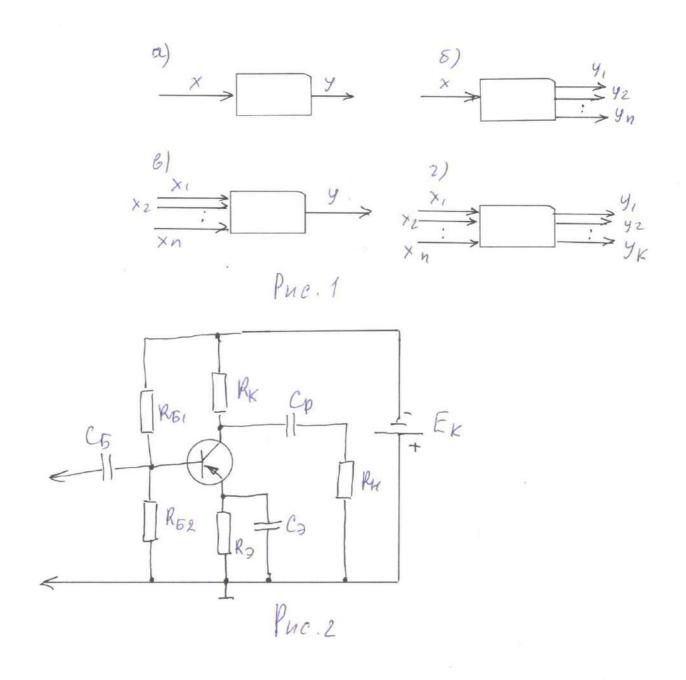
A ,º/6	0.8	0,9	1,0	7,1	1,2
2, yen. eg.	5	5	5	5	5

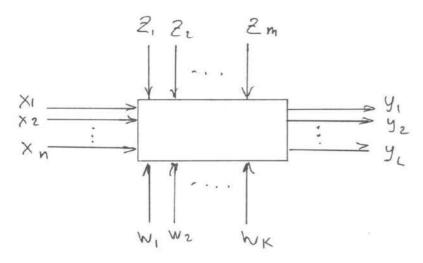
A = 1,0 %

### 3 экспериментатор

	1,2
2, yen. eg. 4 4,5 5,0 5,5 6	6,0

A = 1,2%





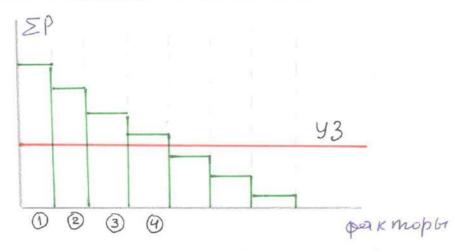
Pue.3

## Vecregobornas

# 3 k che pu men on Music Teopemuzeckue OU yempowem bo MM yempo icmba Phoyece MM mpsyececa Pue. 4 I Kenepanen m X2MOIK X, X, max X min Phe.5 RI Ubx

Puc. 7 Puc. 6

04

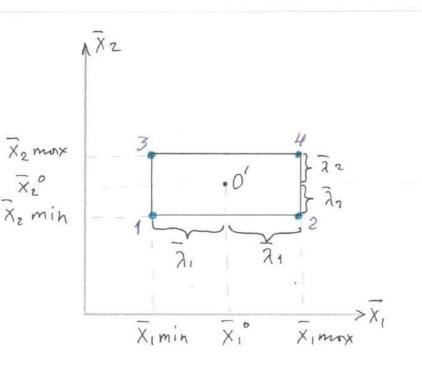


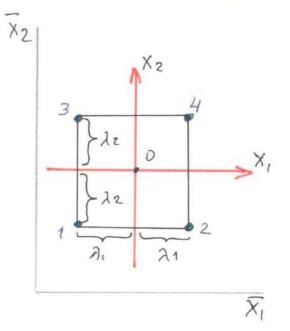
Pue. 8

Nº	Xı	XZ	· · · ×n	4,	42	YK
1	M11	m21	mnd	911	421	4 1
2	M12	M22	Mn2	412	422	· · · 9 K2
· · · · · · · · · · · · · · · · · · ·	MAN	Man	mnn	: Y/N	; Y2N	YKN

$$y_{1} = f_{1}(x_{1}, x_{2}, x_{3}, ..., x_{n})$$
  
 $y_{2} = f_{2}(x_{1}, x_{2}, x_{3}, ..., x_{n})$   
 $y_{n} = f_{n}(x_{1}, x_{2}, x_{3}, ..., x_{n})$  2  
 $y_{n} = f_{n}(x_{1}, x_{2}, x_{3}, ..., x_{n})$  0 0 9 3

$$y_1 = f_1(x_1, x_2, x_3, ..., x_n)$$
  
 $y_2 = f_2(x_1, x_2, x_3, ..., x_n)$   
 $y_n = f_n(x_1, x_2, x_3, ..., x_n)$   $\exists$ 





$$X_i = \frac{\overline{X_i - \overline{X_i^*}}}{\overline{A_i}}$$

	1			1	
1		1	1		
- 1		1		1	

Nº	$\overline{\times}_{1}$	x2
1	X, min	X2 min
2	X, max	Xz min
3	X, min	X 2 mox
4	X, max	X2 max

Puc. 11

$$K_{u} = 40 + 5C - 3R + 0.5CR$$

$$15.0 \quad 20.0 \quad 25.0 \quad 80 \quad 100 \quad 120$$

$$C \quad 5.0 \quad 20 \quad R$$

$$C = \frac{C_{1} - 20}{5} \quad R = \frac{R - 100}{20}$$

$$R = 140 Om$$

$$C = (10,0 - 20,0)/5 = -2$$
  
 $R = (140 - 100)/2 = 2$ 

$$Ku = 40 + 5 \cdot (-2) - 3.2 + 0.5 \cdot (-2) \cdot 2 = 22$$

Puc. 12

Nº	Bo (x0)	B1 (X1)	62 (X2)	612 (X,X2)
1	+		- 1	+
2	+	+		
3	+	- Market	+	
4	+	+	+	+

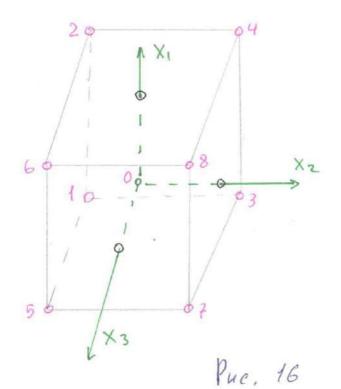
Puc. 13

No	60	61	62	612	y
1	+	-	-	+	9,
2	+	+	_	-	yz
3	+	-	+	-	43
4	+	+	+	+	99

Nº	Xı	X2	X3	XIXZ	XIX3	X2X3	X1 X2 X3	Xo	4
1		-	-	+	+	+	-	+	У,
2	+	-	^	~	-	+	+	+	42
3	-	+		_	+	_	+	+	72
4	+	+		+	-	_	-	+	44
5	-	- 0	+	+	_	_	+	+	75
6	+	-	+	-	+	_	_	+	46
7		+	+	-	-	+	-	+	72
8	+	+	+	+	+	+	+	+	48

Puc. 15

$$y = b_0 + b_1 \times_1 + b_2 \times_2 + b_{12} \times_1 \times_2 + b_{12} \times_1 \times_2 + b_{13} \times_1 \times_3 + b_{13} \times_1 \times_3 + b_{123} \times_1 \times_2 \times_3 + b_{123} \times_1 \times_2 \times_3$$



Т.	X	Xz	X3
1	-	-	_
2	+	-	_
3	-	+	_
4	+	+	-
5	-	_	+
6	+	_	+
7	_	+	+
8	+	+	+

$$\sum_{i=1}^{N} x_{ji} x_{qi} = 0$$

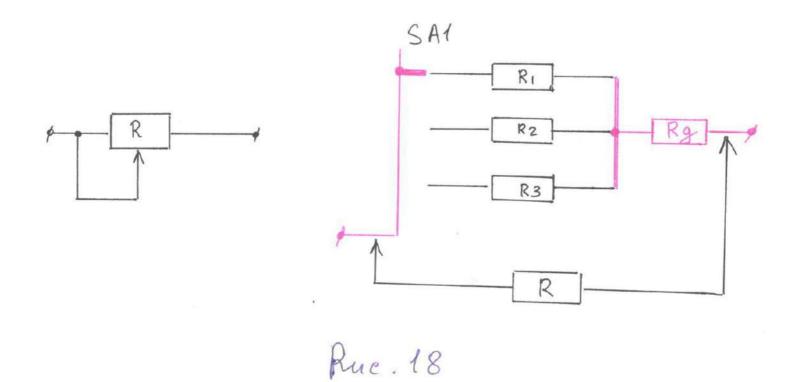
$$j \neq q \qquad j, q = 1, N$$

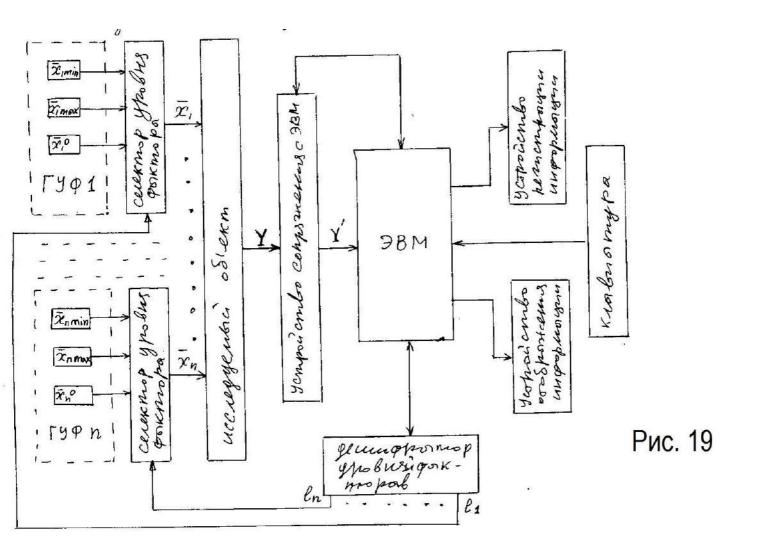
$$N$$

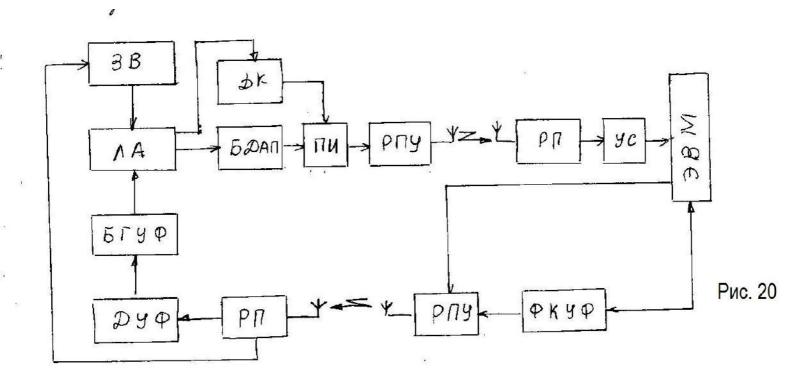
$$\sum_{i=1}^{N} X_{ji} = 0 \qquad j = 1, N$$

$$\sum_{i=1}^{N} x_{ji}^{2} = N \qquad j = \overline{l, N} \qquad 10$$

$$Puc 17$$







No one Tol	XIL	Xzi		Xni	Yil	4:2		Yim
1	-	-		-	411	412	٠	y, m
2	+	-		-	421	422	٠.	yzm
:		,	1					
	+	: +		+	yNI	YNZ		ynn

$$\Pi \varphi_{3} - 2^{n}$$
  $n = 3$   $N = 2^{3} = 8$ 

1. 
$$y_i = \frac{1}{m} \sum_{j=1}^{m} y_{i,j}$$
 (11.)

2. 
$$S^{2}(y_{i}) = \frac{1}{m-1} \sum_{j=1}^{m} (y_{ij} - \overline{y}_{i})^{2}$$
 12

3. 
$$t_p = \frac{|y_i^* - \bar{y}_i|}{5(y_i)}$$
 13 
$$t_p \le t_{KP}$$

4. 
$$G_p = \frac{S^2(y_{imax})}{\sum_{i=1}^{N} S^2(y_i)}$$
 14  $G_p \leq G_{Kp}$ 

$$f_i = m - 1$$

$$f_{\Sigma} = N$$

5. 
$$S^{2}(y) = \frac{1}{N} \sum_{i=1}^{N} S^{2}(y_{i})$$
 (15)

$$S(y) = \sqrt{S^2(y)} \qquad (16)$$

6. 
$$\delta_i = \frac{1}{N} \sum_{j=1}^{N} x_{ij} \cdot y_i$$
 (17)

$$\sum_{i=1}^{N} y_i^2 = N \sum_{i=1}^{N} b_i^2$$
18

7. 
$$S^{2}(bi) = \frac{S^{2}(y)}{N \cdot m}$$
 19

8. 
$$S_{ag}^{2} = \frac{m \sum_{i=1}^{N} (\bar{y}_{i} - \hat{y}_{i})^{2}}{N - \ell}$$
 20  
 $F_{p} = \frac{S_{ag}^{2}}{S^{2}(g)}$  21  $F_{p} \leq F_{Kp}$ 

$$fy = N(m-1)$$

$$fag = N-1$$

Puc. 21