



[10].

[8].

207

-5,

- 207

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( )

( ), [10].

[9].

( ),

( 3 5 % ).

n- n-

2n-

$\alpha_0$ ,

$\alpha_0$ .

0,5 $\alpha_0$ .

0,25 $\alpha_0$ .

4

$v = \alpha_0 / \alpha$ ,

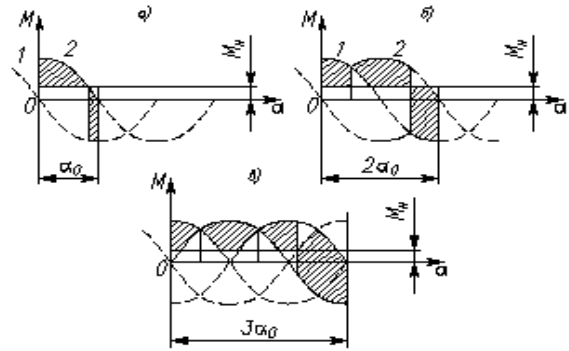
$v = 4$

( $\alpha -$

( )

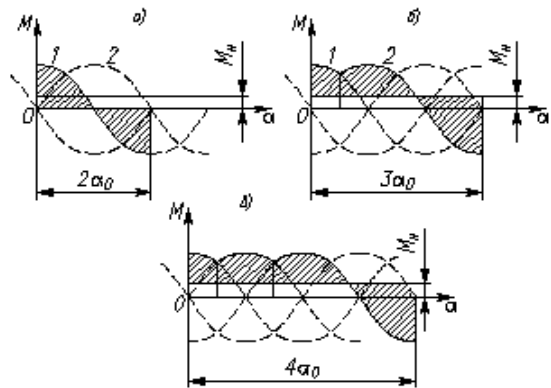
( $v > 4$ )

$\alpha_0$  . 1 ( , , ).



. 1.

. 2 ( , , )



. 2.

(n-1)

v n,

n-

n

$\pi/2$ .

(n-1) n-

1

2 ( 3, 4).

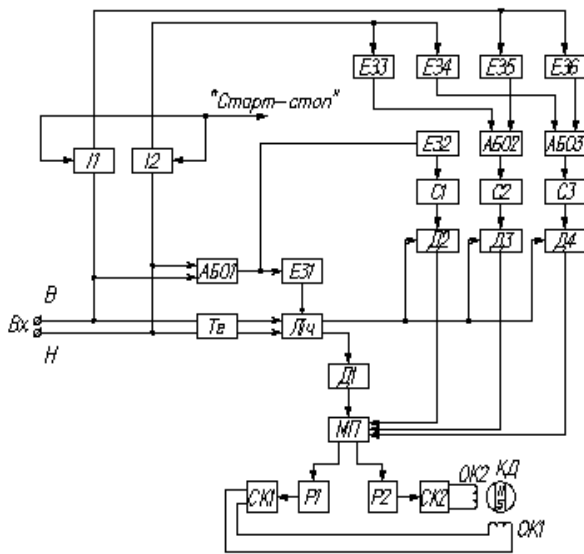
2, 3 4

2,

( . 3).

3

4 -

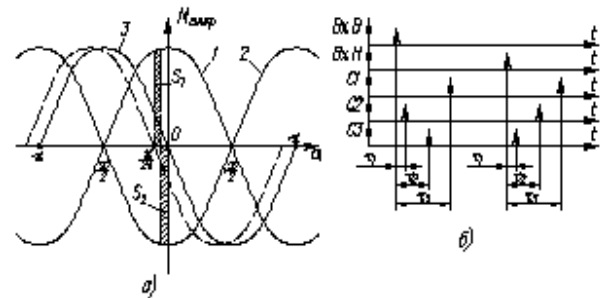


$\pm\pi/2$ .

. 4 ( )

;

.4 ( ) -



. 4.

$-\pi/(2v)$ .

( , )

0.

2

( , ),

1 2 -  
 $\tau_1$

« - »  
5 6.

vn, n-

2.

, v -

3

1

$+\pi/2$  ( 1).

v.

$\tau_2$ ,

2, 3, 4

2,

3

4

n.

( 2).

$\tau_3$

1 2 , ( 3).

( S<sub>1</sub> S<sub>2</sub>),

3 4,  
3,  
4 5 2.

3 6 -  
2 -

1, 2  
1, 2,  
1, 2.

5  
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**IMPROVEMENT OF MANAGEMENT SYSTEM OF ELECTRIC DRIVE POSITIONING MECHANISM  
OF ELECTROSPARK DISCHARGE MACHINE ELECTRODES**

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*The analysis of existing and possible innovative solutions in the field of construction of the electrode positioning electric drive mechanism designed for metal electroerosion processing has been conducted. The control system for the testing machine has been proposed.*

**Keywords:** *electric drive management, electroerosion processing, positioning mechanism, stepper motor, start-stop mode, step crushing.*