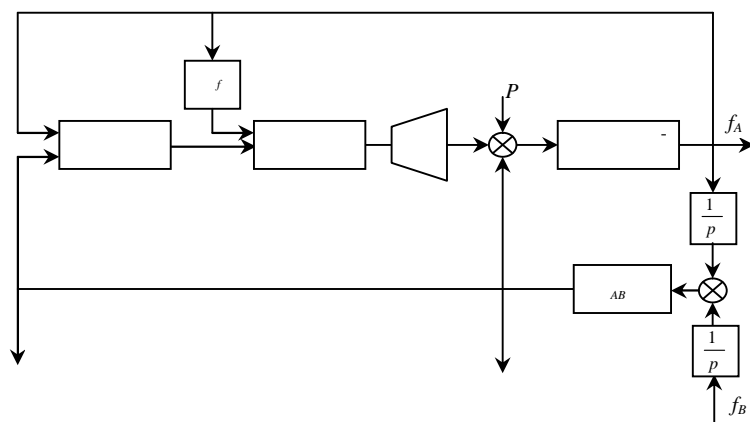
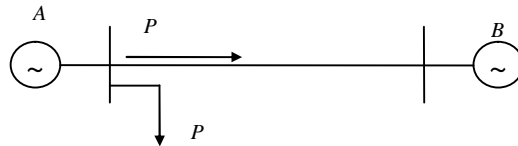




$f_A(t), f_B(t) \quad (t)$



. 1. - ; -

. 2  $f_A(t), f_B(t) \quad (t)$  -  
 ( . 2 ) ( . 2 )  
 ( ).  $f \quad f + = 0.$

= 3,0 %.

. 2

1)  $f_A(t), f_B(t) \quad (t)$  -

;

2)

$t \cong 2,0$  ;

3)

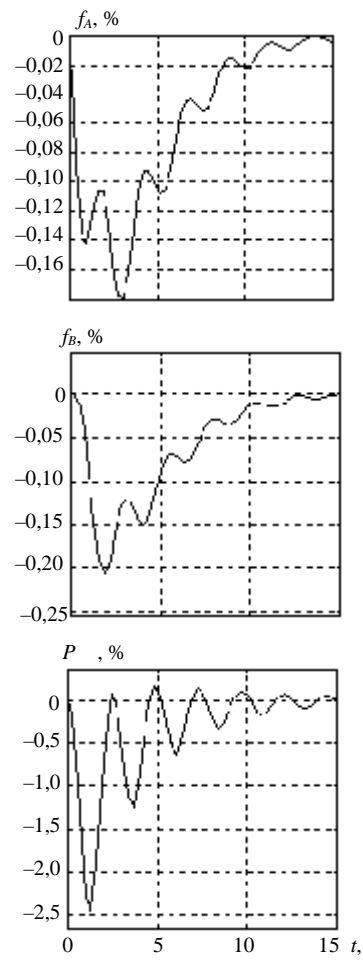
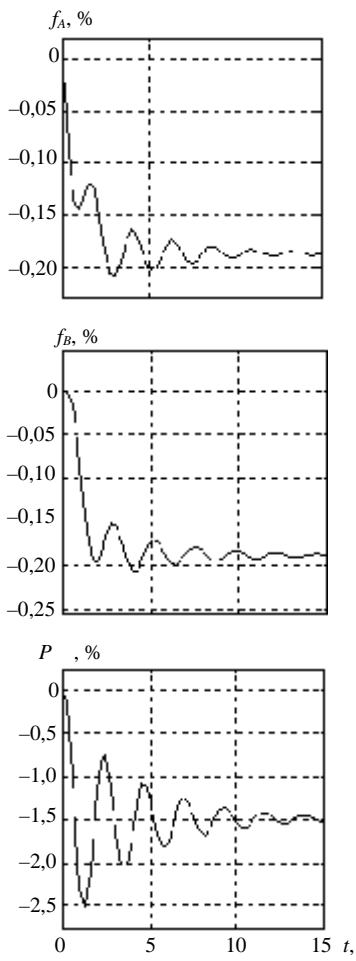
(  $t \cong 1,0$  )

= 3,0 % = 1,5 %

. max  $\cong 3,0$  %.

= 0,1( + B),

30 %.



. 2.

: - ; -

. 3

( )

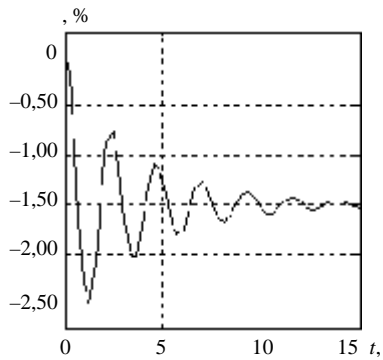
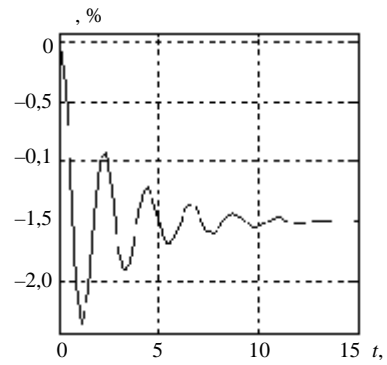
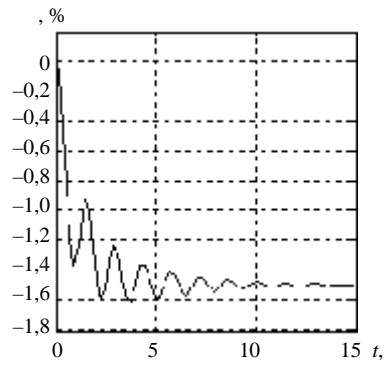
$S = 1,5...6,0 \%$ .

16 %

$S = 16$  5,0 %

« »  
( . 3 )

« »



. 3.

(t):  $-S = 2\%$ ;  
 $-10; -16\%$

$$T_J \frac{df^*}{dt} + K f^* = P^*, \quad (1)$$

$P^*$  — , . . . ;  $T_J$  — , . . . ;  $f^*$  — , . . . ;  $K$  —

$$f^* \cong 0, \quad (1)$$

$$\left. \frac{df^*}{dt} \right|_{t \approx 0} = \frac{1}{T_J} \Delta P^* .$$

$$\frac{df^*}{dt},$$

,  
 A

. 2 ,

$P^*$ .

.max.

$\tau$  ,

$P^*$

$\tau$  . ,  $\tau = 0$

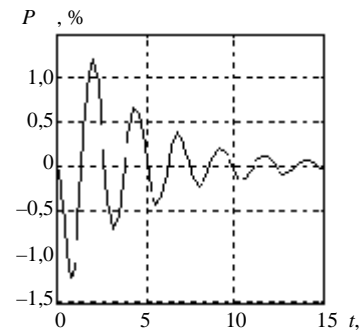
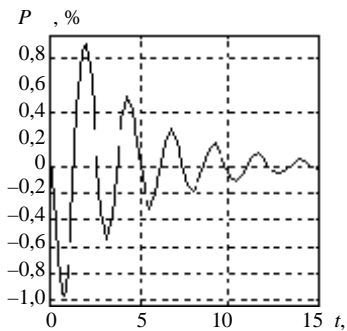
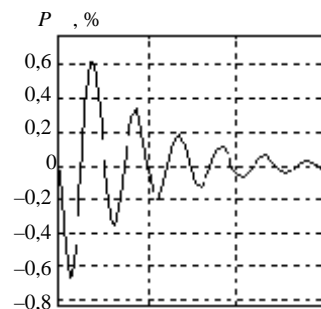
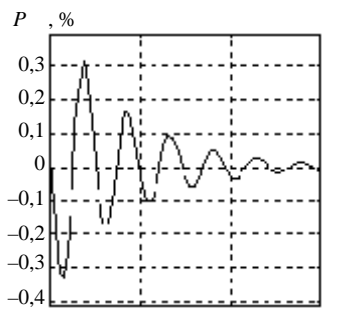
0,1; 0,2; 0,3 0,4 .  
. 4.

.  $\tau$  ,  
.  $\tau$  ,

.max

(t)

$\tau = \tau - \tau = 0,6 - 0,8 \text{ c.}$



. 4.

$\tau = \text{var: } -\tau = 0,1 \text{ c; } -0,2; -0,3; -0,4 \text{ c}$

(t)

. 5.

$\tau = 0,2$  .  
« »

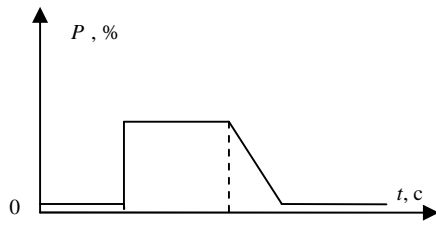
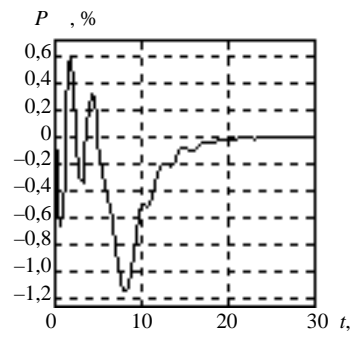
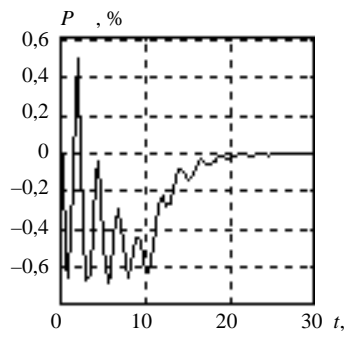
$\tau = 0,8 \dots 1,0$  .

$\tau = 4 \dots 5$  ,

(t),

. 5 .

. 5 .



5. (t)  
 $\tau = 0,2$  ;  $\tau = 0,8$   
 $\tau = 0,2$  ;  $\tau = 5$  ;

[3].

( ) .

1. / . . . . . // . - 2004.
4. . . . . // « -
2. . . . . // « -
- » - ., 2001.
3. . . . . // . - 1999. - 1.

25.05.2004