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6-10

... ..
« .. »

6-10

6-10

[1].

$$= {}_0L ; \quad = (0,2\dots0,3)$$

R, R .

L, L

$$\left\{ |U| \geq U ; |I(\dots)| \geq i ; \left| \left(\frac{di}{dt} \right) \right| \geq i' \right\}, \quad (1)$$

$$U - \dots ; I(\dots), \left(\frac{di}{dt} \right) -$$

(1)

atlab 6,

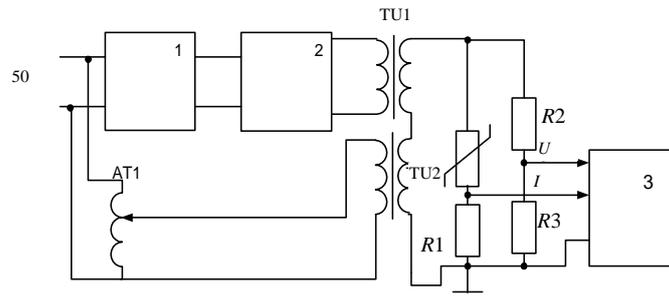
[2].

$$2600 - 2,53U \quad 700 \quad 2,4U ,$$

2,3...5,4
6-10

[2, 3]

. 1.



1 - ; 2 - ; TU1, TU2 -
-6; 3 -

6,8 : $R1 - 34,2$; $R2 - 51$; $R3 -$
0,4 3,3
(TU1, TU2) -6.

0,4; 3,3; 8 50 , 2,3 3,8 Zn
1 (50) -

$\approx 1,33...1,36$.

U U .

1,85...1,9. 0,4 -

. 2. -

0,4 , -

(3,8) , -

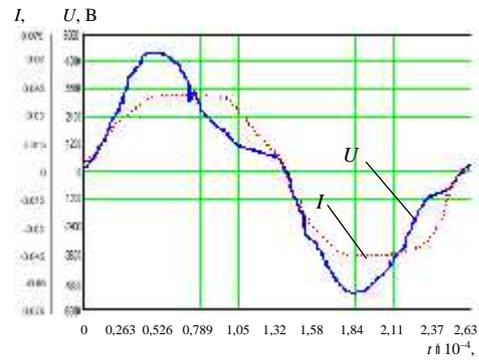
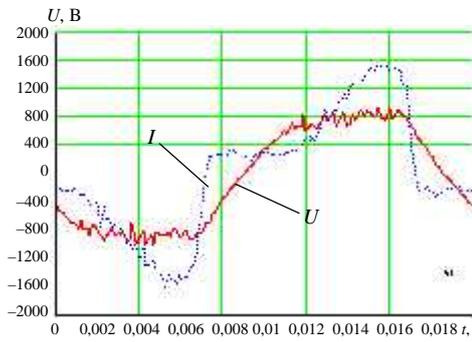
t -

t , -

$$t = \frac{2}{\omega} \arccos \frac{U}{U_{\max}} \quad (2)$$

$t = 120$. 6 ($f = 3,8$) $U = 760$ -

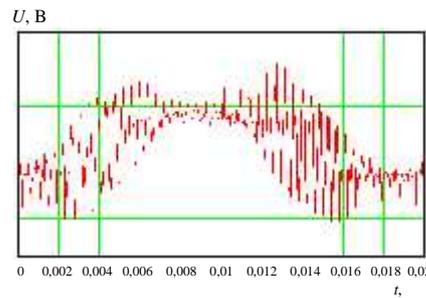
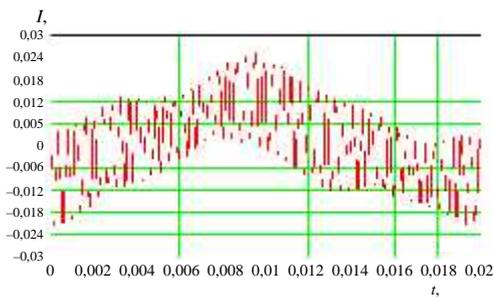
$t = 40...50$. -



. 2. - 50 ; -3,8 -0,4 :

. 3. 50 -0,4 -

(760).



. 3. 50 2,4 : - ; -

-0,4 . 4 .

(. 4).

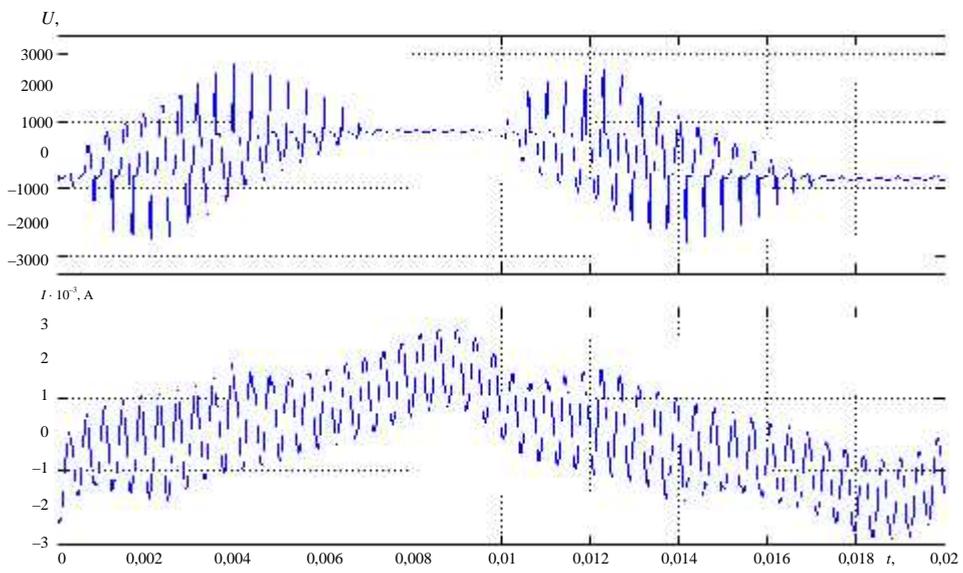
RC-

R

$$i = I_0 \left(\frac{u}{U_0} \right)^\alpha, \quad (3)$$

i — u — ; I_0 — ; U_0 — ; α — ,) .

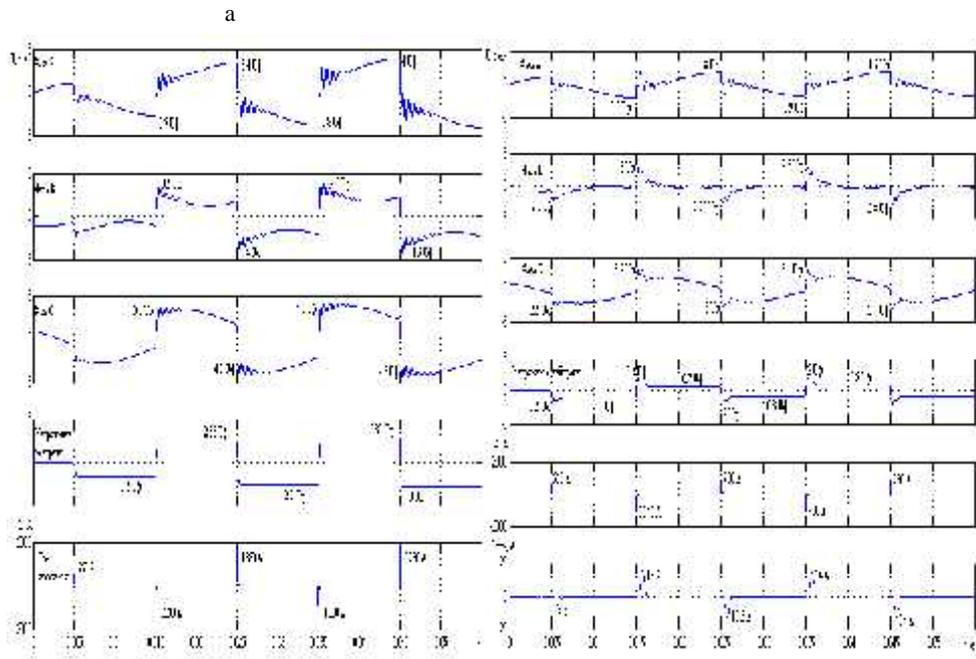
...160 . . 6
 2,4 (. 3).
 -0,4 -3,3
 τ 120...
 -0,4
 50



. 6.

50 2,4

= 0,42 , : 200 . . (6) =
 -32000 . . . 7



. 7.

10

; -

-3,3

. 7

-3,3

3,2U

[2],

1. , -

120...160 .

2. , -
, -
, -
.

1. , 6-10 // - 2004. - 1. -

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9.07.2004