

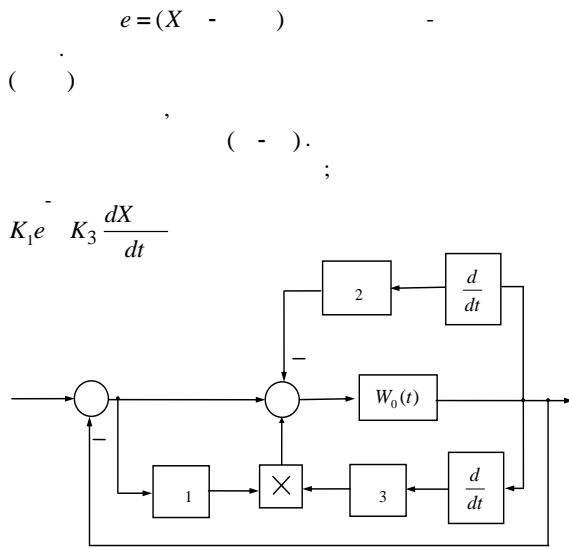
62.83.52

... « ... »
... 37, ... 03057,
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Annotation – In clause results of research of a control system by the electric drive with smooth regulation demphir elastic me -
chanical fluctuations are resulted. It is shown that most effectively elimination of oscillatory processes is reached by formation
of factor demphir on a signal of the set speed.

Keywords – an optimum mode, demphir the fluctuations, the subordinated regulation.

... (...)
... [1].
... « ... » [4].
... [2, 3].
... 1.



. 1 -

$$e_1 = e K_1 K_2 \frac{dX}{dt} - K_3 \frac{dX}{dt}$$

. 1

()

. 2

()

(PC)

()

()

()

$J_1, J_2 -$

; C -

U

(2)

(1)

$$W_x(p) = \frac{0,15p + 1}{0,184p + 1}; W_c(p) = \frac{0,08p + 1}{0,002p + 1};$$

$$W_r(p) = \frac{20}{0,01p + 1}$$

$$W_r(p) = \frac{1/0,03}{0,02p + 1};$$

()

$C = 2,63;$

$J_1 = 23; J_2 = 46;$

$C = 60; = 100.$

()

()

$$U = U_m - U - U_a,$$

$U_m -$

$U - -$

()

;

$U_a - -$

U

$U_a.$

()

3.

U

U

0 1 , -
 C .m
 () .

K

$$U = (u_1 - u_2)$$

. 3
 U 1 2
 3 4,
 2,63 5.

0,001 .
 3, 4, 5

0
 . 4
 (U , U) M_y
 ()
 () .

()

1. , -
 () ,
 2. -

3. , -
 , -

[1] .. , -
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 « », 1976. - 400 .

[2] .. ,
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 i
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