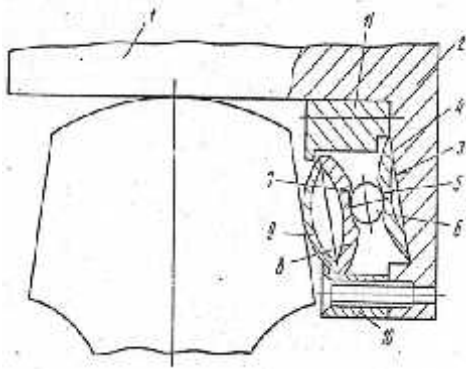
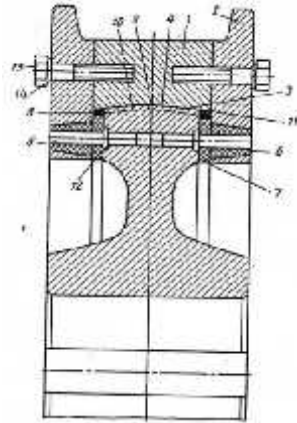


SU 1244076

SU 1837047, .3.



.3.



.4.

9
 4,8 9
 5 7 ,
 6 , 4 8.
 , . . SU 1289800, .4,

621. 23

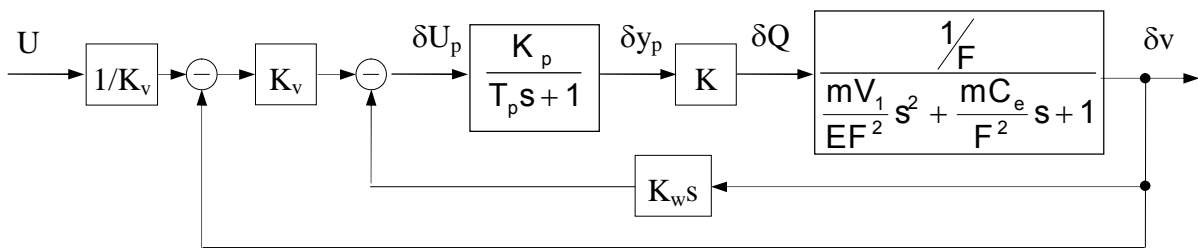


$$m(\bar{x}) \cdot \frac{dv}{dt} = F \cdot p_1 - R(\bar{x})$$

$$\frac{V(\bar{x})}{E} \frac{dp_1}{dt} = K \cdot y_p - C_e \cdot p_1 - F \cdot v$$

$$T_p \frac{dy_p}{dt} + y_p = K_p \left(U - K_v \cdot v - K_w \cdot \frac{dv}{dt} \right)$$

$R(\bar{x})$ - , F - , $m(\bar{x})$,
 $V(\bar{x})$ - , v - , p_1 -
 E - , K - , y_p -
 C_e - , T , K_p -
 K_v, K_w - , U -
 t - .



1 -

K_v K_w ,

$$T = \sqrt{\frac{m(\bar{x})V(\bar{x})}{EF^2}}$$

$K_V \quad K_W$

15³.

:

-

K_W

K_V

;

-

;

K_W

;

,

K_W

$K_V,$

;

-

-

-

-

-

.

,

-

.

,

-

,

-

,

.

-

-

-

621.923

_____ . . .

. , . . .

[1],

-

()

(- ,

,

- ,

-

.).

-