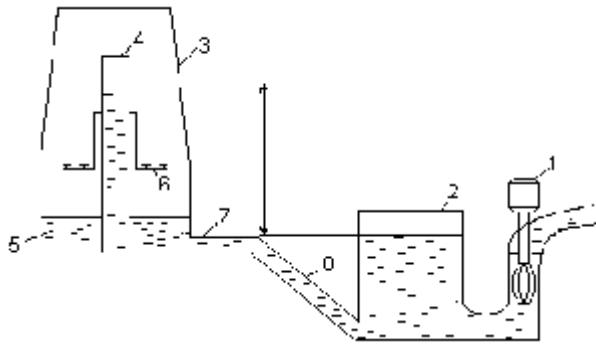


“ ” , “ ”
“ ”
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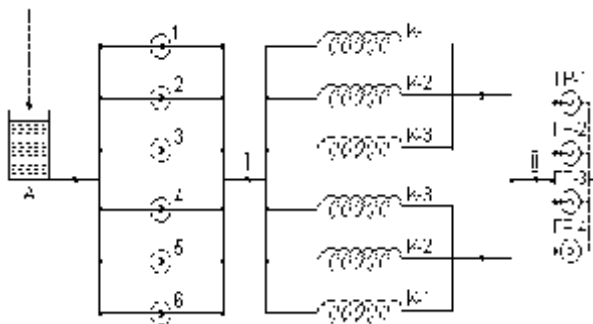
()

()
(. 1).
(),

()



. I.
- ; 2 - ; 3 - ; 4 - ; 5 - ; 6 - ; 7 - ; 8 -



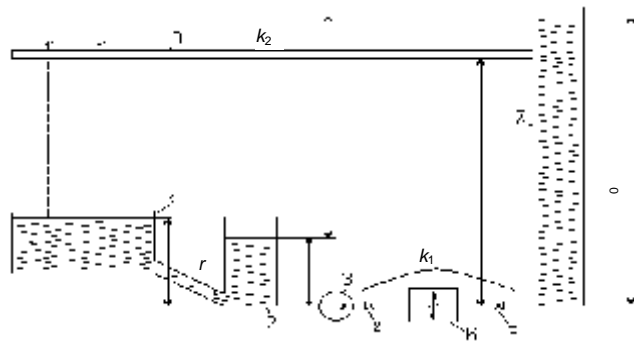
. 2.
()
) : I -
; II -
; A - ; 1,
2, 3, 4, 5, 6 - ; K-1, K-2,
K-3 - ; -1, -2,
-3, -4 -

H (.3)

$$H = H_0 + k Q^2, \quad (1)$$

$H_0 = p_0 - p$; p_0 - ; p -
 ; k_c -
 (, ,);

Q -

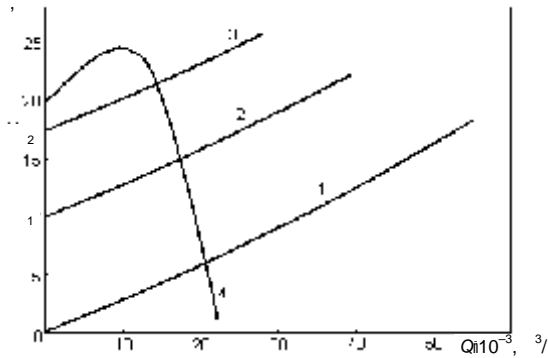


. 3. ; 3 - ; 4, 5 - ; 6 - ; 7 - () ; 2 - ; 8 -

(1) H

H
 1, 2, 3 (. 4), 1

$H = 0.$



. 4. H (. 1): 1 - $H = 0$; 2 - $H = H_0$;
 () - 4,5/23 = -2

, (. 3). -

$$H = H_0 + k Q^2, \tag{2}$$

$H_0 -$ ($Q = 0$); $Q -$ -
; $k -$.

$$p , \tag{ . 3).}$$

p_0
 $p_0 \cdot$

$$p - rQ^2 + p + H_0 - k Q^2 - k_1 Q^2 - k_2 Q^2 = p , \tag{3}$$

$r -$;
 $k_1 -$ () ;
 $k_2 -$.
(3) Q^2 ,

$$Q^2 = \frac{p + p + H_0 - p}{k + r + k_1 + k_2} . \tag{4}$$

() , ,

$$p + H_0 - k Q^2 - k_1 Q^2 - p_0 = 0 .$$

$$p_0 = p + H_0 - Q^2(k + k_1) . \tag{5}$$

(4) (5),

$$p_0 = p + H_0 - (k + k_1) \frac{p + p + H_0 - p}{k + r + k_1 + k_2} .$$

$$k = k + r + k_1 .$$

$$p_0 = H_0 + p - (p + p + H_0 - p) \frac{1}{1 + \frac{k_2 + r}{k}} . \tag{6}$$

(6), , $p_0 -$
 $k_2 ($ -
) $k (k - \text{const}, r - \text{const})$,

$H .$, $H .$ -

, $H = 0$,
 k_2 $k = k + r + k_1$ ()
)

(6) (. 3).

k_1 k_2 ,
 (H)

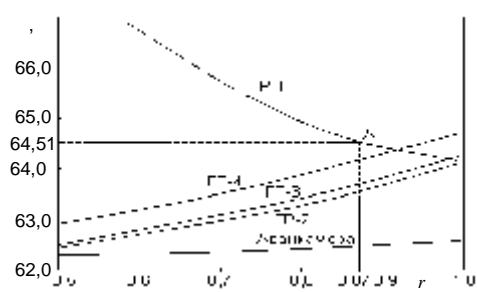
(. 2)

[1, 2],

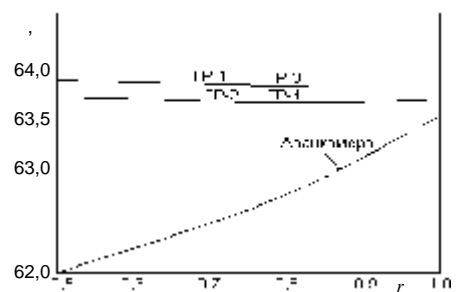
. 5...8.

: -1 - 64,51 ;

-2 - 64,46; -3 - 64,38; -4 - 64,45 .



. 5.



. 6.

r

r

(1200), 1
 (. 5).
 (A , . 5)
 $r = 0,87$, 13% .
 $2, 3, 4$ ()
 $1,3$).

28

(6)

$r,$

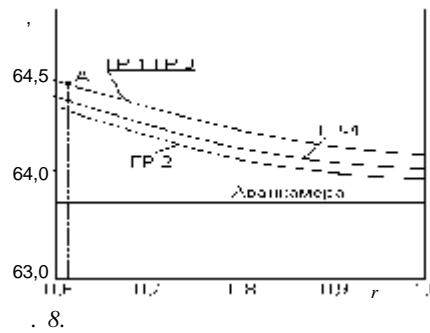
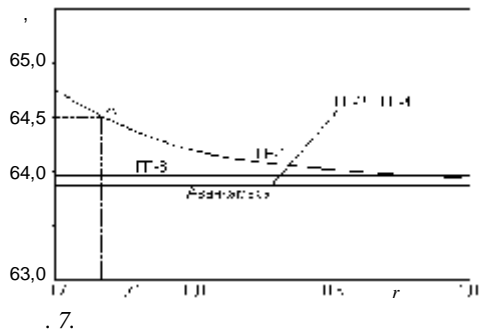
$k,$

(. 6).
2 ($r = 0,5$)

1,3
(20),

(6)

()
 r



, . 7, 8).

(1

, 1
(A, . 7),
(. 1).

26%-

-1

. 8

)

(

r

40%-

1. 1200 - 20 %
 () .
 2. - ,
 50%- 1,3 ,
 20 . -
 3. - - -
 , - -
 : -
 , - -
 , -
 , -
 (, -
 .), -
 , -
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1. -2 / . . . , . . . , . . . ,
 // -2001. - 6. - . 118-124.
 2. / . . . , . . . , . . .
 // . 90-95. ... (.) . - 2002. - 6. -

4.11.2004