II (   )

8

.

− 2   40   .

1

V = 4   / . $t_1 = 4$
                                                                    $t_2 = 8$, $t_3 = 3$

.

.

,   ,   -
.

,
$$h_1 = \langle v_1 \rangle t_1 \quad (1)$$

$\langle v_1 \rangle -$.

,
$$\langle v_1 \rangle = \frac{v \quad + v}{2} = \frac{v}{2} \quad (2)$$

,   (1)

$$h_1 = \frac{v}{2} t_1$$

,
$$h_2 = v\, t_2$$

                                                    ;   ,
.

$$h_3 = \frac{v}{2} t_3$$

$$h = v \left(\frac{t_1}{2} + t_2 + \frac{t_3}{2} \right) = 46$$

:

$$\langle v_1 \rangle = \frac{h}{t_1 + t_2 + t_3} = 3,07 \quad /$$

− 60.   .
30   ,   ,   .

2

$$d = 1$$

?

7800 / ^{3}.
1000 / ^{3}.
13600 / ^{3}

:

$$F_A = mg$$

$$F_A = F \quad = pS = pd^2$$

$$p = p_1 + p_2 = \ldots\, gH + \ldots\, g(d-H)$$

$$mg = \ldots_{cm} g\, d^3$$

$$d^2(\ldots\, gH + \ldots\, g(d-H)) = \ldots_{cm} g\, d^3$$

$$H(\ldots - \ldots\,) = (\ldots_{cm} - \ldots\,)\, d$$

$$H = \frac{\ldots - \ldots}{\ldots - \ldots}\, d = 0{,}46$$

$$- 100.$$

80 .
40 .
30 ,   ,

3

$$S = 5 \quad^2 \qquad = 0{,}5 \quad . \quad -$$

?

900 / ^{3}.
1000 / ^{3}.

,   . h_0 -
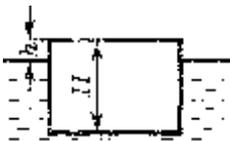
$$F_A = mg .$$

$$- \quad F_A = \ldots_1 gS(H - h_0) - \qquad\qquad ;$$

$$m = \ldots_2 gSH$$

($_1$ $_2$ −   ).

h_0

$$h_0 = \frac{\ldots_1 - \ldots_2}{\ldots_1}\, H$$

F_A mg .

h (.   .) h_0 0

                           F.   0

$$F_{\max} = gSH(\cdots_1 - \cdots_2)$$

      A F :

$$F = \frac{F_{\max}}{2} = \frac{gSH(\cdots_1 - \cdots_2)}{2}$$

$$A = \frac{gSH(\cdots_1 - \cdots_2)}{2} h_0 = \frac{gSH^2(\cdots_1 - \cdots_2)^2}{2\cdots_1} = 61$$

– 100.   .

80   .   ,   .
60   .   .
   30   ,   ,   .

         4

                                                                 0   -
                              .   m
              .   ?
                                                                 .

                                                    :

1)   < ₀
2) > ₀·
                                        ,   -
              ,   ,   -
                    .

      , mg

$$F_A = mg \frac{\cdots_0}{\cdots}$$

            -   -
     .   ,   -

$$F = mg\left(1 - \frac{\cdots_0}{\cdots}\right)$$

                     – 80.   .
60   .   ,   .
40   .   .
   20   ,   ,   .