

9

1.

$$S = 10$$

9 10

$$x_9 = \frac{at_9^2}{2}; \quad x_{10} = \frac{at_{10}^2}{2}$$

$$t_9 = 9 \quad t_{10} = 10$$

S,

$$S = x_{10} - x_9 = \frac{a(t_{10}^2 - t_9^2)}{2}$$

$$a = \frac{2S}{(t_{10}^2 - t_9^2)} = 1,05 / ^2.$$

S, 9 102
2
1

2.

$$225^2$$

5

$$1 / ^3$$

10
10

$$1,2 / ^3$$

: S -

, h -

, a -

, 1 -

, 2 -

,x -

>h,

$$h' = h \cdot S / (S - ^2).$$

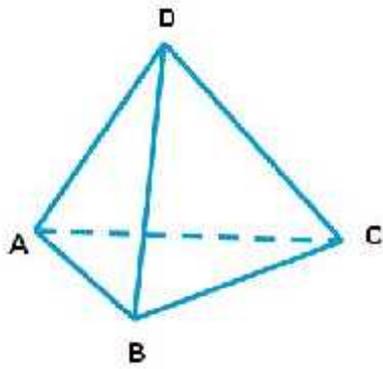
$$1 \cdot h \frac{S}{S - u^2} \cdot u^2 + 2 \left(u - x - h \frac{S}{S - u^2} \right) \cdot u^2 = \rho 1 \cdot a^3$$

$$x = \left(u - h \frac{S}{S - u^2} \right) \frac{u^2 - \rho 1}{u^2} = 1,7$$

.....1
2
2

3.

1



.....2
1
2

4.

0,2 .
 1 80° 20° .
 ()
 ? ,
 : - (80°), t- (500), m - (200), - (20°).

() ,

- $+m \cdot t = (M+m) \cdot t_1 \quad t_1 = \frac{M \cdot T + m \cdot t}{M+m} = 62,86^\circ$
- $+\frac{m}{2} \cdot t = (M + \frac{m}{2}) \cdot t_2 \quad t_2 = \frac{M \cdot T + \frac{m}{2} \cdot t}{M + \frac{m}{2}} = 70^\circ$
- $t_2 + \frac{m}{2} \cdot t = (M + \frac{m}{2}) \cdot t_3 \quad t_3 = \frac{M \cdot t_2 + \frac{m}{2} \cdot t}{M + \frac{m}{2}} = 61,67^\circ$

$t_{23} = (70 + 61,67) / 2 = 65,83^\circ$.
 3
2
1

.....1
.....1