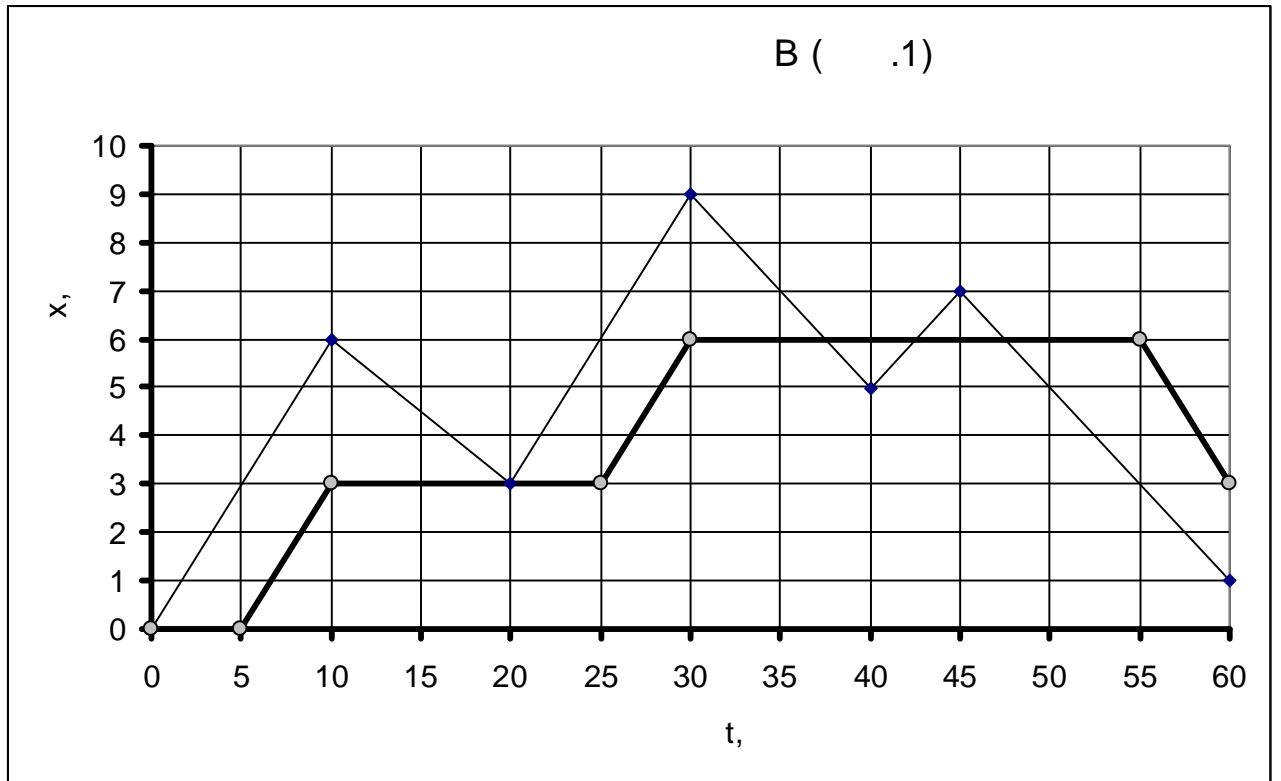


9-1.

1. ().

1.1

A , B
 $l = 3,0$
 B, A l A
 B, .1.



1.2

:

$$S_A = 6 + 3 + 6 + 4 + 2 + 6 = 27$$

$$S_B = 3 + 3 + 3 = 9,0$$

(1)

2.

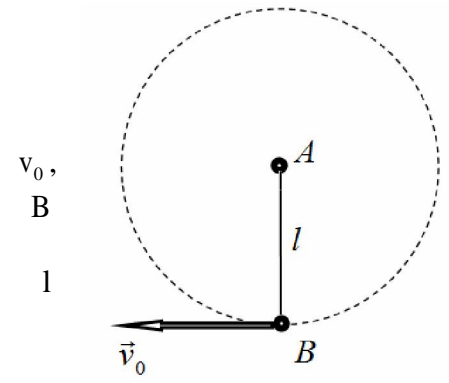
2.1

,

A.

B

A (. .)



2.2

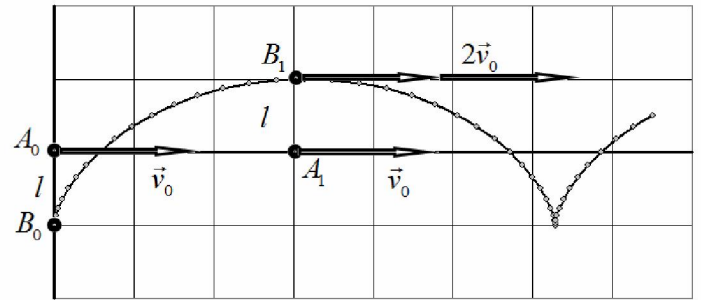
,

B

v_0

v_0 .

Траектория точки B



2.3

B

,

A (

-

A

B_1).

$$v_{\max} = 2v_0.$$

(2)

3.

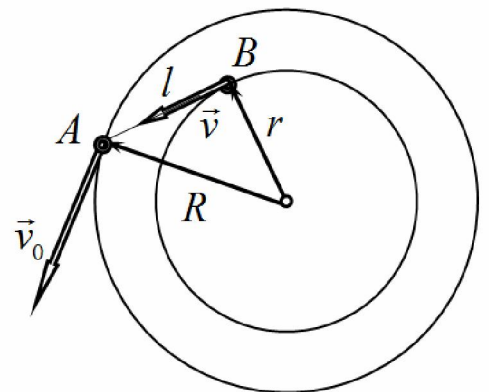
3.1

B

A.

B

A.



3.2

B,

$$r = \sqrt{R^2 - l^2} \approx 5,2$$

(3)

3.3

B

$$\frac{v_0}{R} = \frac{v}{r} \Rightarrow v = v_0 \frac{r}{R} \approx 5,2$$

(4)

IX

1.

2