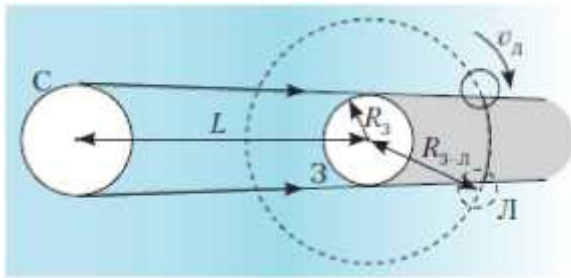


!

1

150 ;  $R = 6400$  ;  $r = 1700$  ;  $R_3 = 400$  ;  $L = 365$  ;  $-28$



$t = 2R / v$  -  
« » ,  
 $2R$  .

$T$  :  $v = 2 \cdot R / T$  .

$R T / ( R ) 4$  .  $t =$  .

2

(  $55^{\circ}45'$  ,  $37^{\circ}37'$  ) (  $52^{\circ}43'$  ,  $41^{\circ}26'$  ) .

?

( $\alpha_1=41^\circ26'$   
 $\alpha_2=37^\circ37'$ ),

$$T_C = T_0 (\alpha_1 - \alpha_2) / 360^\circ = 15 \cdot 13 \cdot T_0$$

(23 56 04 ).

$$T_S = 2 \cdot T_C = 30 \cdot 26 \cdot T_0$$

$T_C$

15

1

5

14  
(4

3

24

+25°),

1

24

**3**

(

)

?

(M)

(m).

(E):

$$MV + mv = 0$$

$$\frac{1}{2}MV^2 + \frac{1}{2}mV^2 = E$$

$$V^2 = 2E/(M+m),$$

α -

L =

$$\frac{2V^2 \sin r \cos r}{g}$$

α v

g.

6

!)

4.

!

:

( . )

( ? )

?

“ ” . “ ” - , “ ” ( ) , “ ” ) , “ ” ( ) . “ ” - “ ” - “ ” - . , 28° 47° , 75° . , 180° . “ ” - . 45°-50° , . . . ( “ ” . , ) , “ ” . ( 28° ) , . . . (