

7-8

:

7-8.1

12-

$\varphi$

12-

:

$$\omega = 360 / 12 = 30 \quad / \quad = 0,5 \quad /$$

$\varphi$

$$= \{ \varphi / \omega \} = \{ \varphi ( ) : 0,5 \quad / \quad \},$$

h

$$h = \{ \quad / 60 \}$$

$$m = -60 \cdot h.$$

12-

h

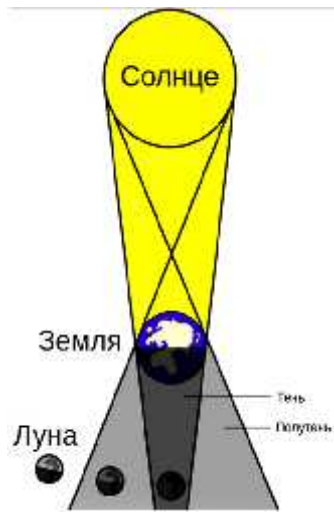
12

7-8.2

: -0,04).

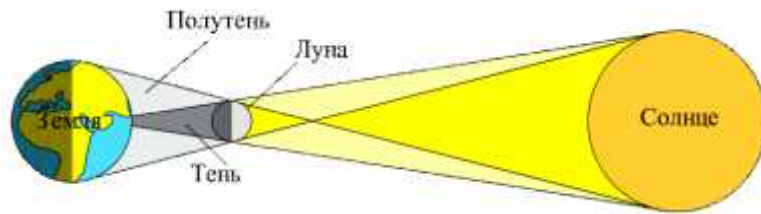
7-8.3

( 1).



1.

,  
.  
, , ,  
( 2).



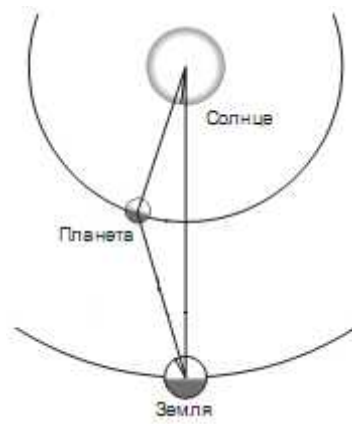
2.

29,5

7-8.4

, — , : .

7-8.5



7-8.6

:

$$=l/v=2 \cdot 3.14 \cdot R/v. \quad (1)$$

R, 27000

(1 . .)

1 . . , 1 . . =300 000 / \cdot 1 . .

, 27000 =27000 \cdot 300 000 / \cdot 1 . .

(1) :

$$=l/v (2 \cdot 3.14 \cdot 27000 \cdot 300 000 / \cdot 1 ) / (230 / ) 220 . .$$