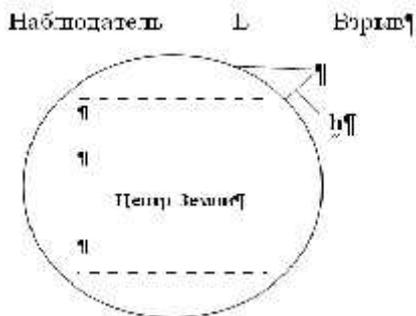


1:

$L, R, R+h$ -



$$L^2 + R^2 = (R + h)^2,$$

$$2Rh + h^2 = L^2$$

$$R = 6371$$

$$L = 350$$

h .

$$h \ll R,$$

$$: 2 Rh \approx L^2.$$

$$h = 9,6$$

2:

(,),

3:

; 2

$$\frac{1}{\sqrt{2}} = \cos 45^\circ$$

4:

(-) .

5:

; .

6:

$$r = 1/0,297 = 3,37 \quad ; \quad 3,37 \cdot 3 \cdot 10^{13} = 10^{14} \quad ; \quad 11 \cdot 3,37 \cdot 206265 = 6,95 \cdot 10^5$$