

~~cos~~

$$a^2 = b^2 + c^2 - 2bc \cdot \cos d$$

$$(R_0 + h)^2 = R_0^2 + h^2 - 2R_0 \cdot h \cdot \cos 130^\circ$$

$$90 - d + 140 - B = 180$$

$$\begin{cases} d + B = 90 \\ \frac{h_m}{\sin d} = \frac{R_3}{\sin B} \end{cases}$$

$\frac{500}{36} = \frac{172}{172}$   
 $\frac{18}{5}$   
 Thegm. uk 5  
 terga ke 10 uk 15  
 $d = 36^\circ$

$$R^2 + 2Rh + h^2 = R^2 + \frac{R_0^2 \cdot \sin^2 d}{\sin^2 B} - \frac{2R^2 \cdot \sin d \cdot \cos 130^\circ \cdot \sin B}{\sin B}$$

$$2Rh + h^2 = \frac{R^2 \cdot \sin^2 d - 2R^2 \cdot \sin d \cdot \cos 130^\circ \cdot \sin B}{\sin^2 B} = a$$

$$h^2 + 2Rh - a = 0$$

$$D = 4R^2 + 4a$$

$$h = \frac{-2R \pm \sqrt{4R^2 + 4a}}{2}$$

$$h = \sqrt{R^2 + a} - R_0$$

$$R = h + R_0 \quad R = \sqrt{R_0^2 + a}$$

$$V = \sqrt{\frac{GM}{R}}$$

$$t = \frac{2\pi R}{V}$$

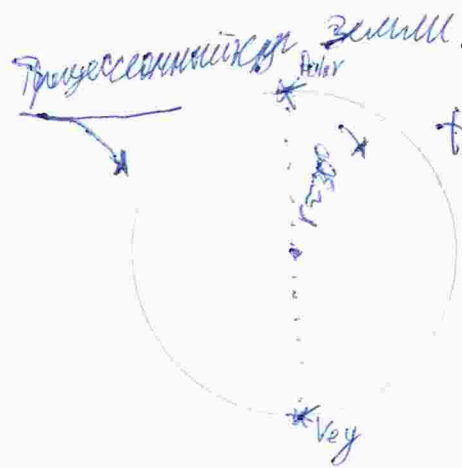
$$t = \frac{4\pi^2 R^2}{GM/R}$$

$$t = \frac{4\pi^2 R^3}{GM}$$

$$t = \frac{4\pi^2 (R_0^2 + a)^{1.5}}{GM_0}$$

Объем; сформулов 15;  $t = \frac{4\pi R^2 (R \sin \alpha)^{1/3}}{GM}$

N2



$t \approx 38000 \text{ км}$   
 $l = 2\pi R = 6,28 \cdot 30$   
 $l = 188,4^\circ$   
 $\frac{t}{360} = 100$

$$\frac{6,28 \cdot 30}{188,4}$$

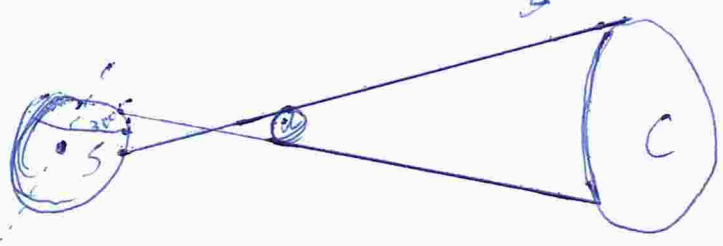
$$\frac{36000 \cdot 360}{360 \cdot 100}$$

$$\frac{1}{100} \cdot 200$$

$$\frac{1}{100} \cdot l = \frac{188,4}{100} = 1,88^\circ$$

Объем: на 1,88° Восточнее.

N2



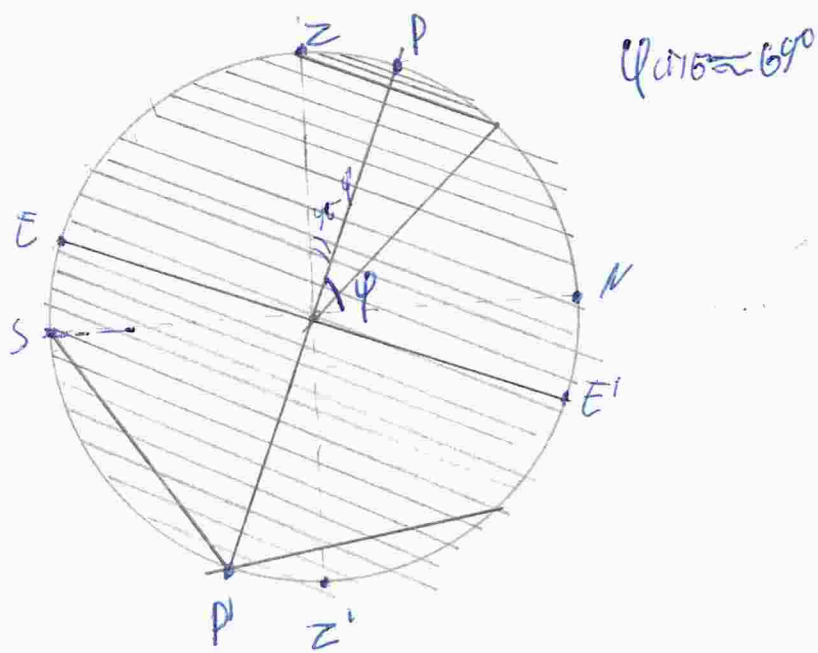
$$\phi = \frac{\rho_{max} - \rho_{min}}{\rho_{max}}$$

$$\phi = \frac{10^\circ}{30^\circ}$$

$$\phi = \frac{1}{3}$$

Объем: Макс. проза. замечена в транскаунтри - 1/3.

N4



Всего часов  $\sim 3663$

$$\frac{2(90-\varphi)}{180} \cdot 3663 = \frac{404}{180} = \frac{2 \cdot 3663}{81} = 814.$$

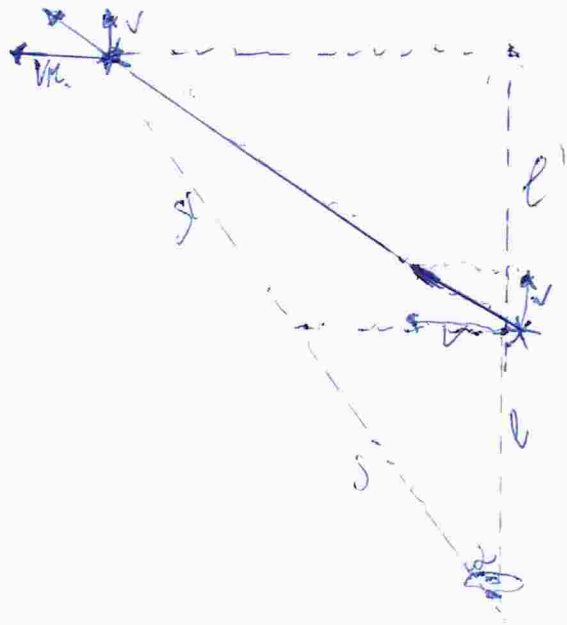
~~Ответ:~~  
~~3663~~

Ответ:  $\frac{2}{3}$  всех часов или  $\sim 814$  ч.

NRK-1

CTP. 4

NS



$$E = \frac{L}{4\pi R^2}$$

$$E \sim \frac{1}{R^2}$$

$$v_n = v \cos \alpha$$

$$\cos \alpha = \frac{1}{4}$$

$$\frac{l}{s} = \frac{l + l'}{s + l'} = \frac{1}{4}$$

$$\frac{l}{s} = \frac{1}{4}$$

$$s = 4l$$

~~$$s + s' = 4l + 4l$$~~

~~$$s' = 4l$$~~

~~$$s = 4l$$~~

~~$$s' = 2s$$~~

~~$$s' = 8l$$~~

~~$$s + s' = 12l$$~~

$$E_1 = \frac{L}{4\pi l^2}$$

$$E_2 = \frac{L}{4\pi (4l)^2}$$

$$\frac{E_1}{E_2} = 16 \approx (m_2 - m_1)$$

~~Handwritten scribbles and crossed-out text.~~

$$\frac{E_1}{E_2} = \frac{L \cdot 4\pi \cdot 16l^2}{4\pi l^2 \cdot L} = 16$$

$$\text{Answer: } m_2 \approx 12 \text{ m}$$

XIX-7  
~~100~~  
1380

1400 k.u.

$$\frac{4 \cdot 3500}{40000} = \frac{4 \cdot 360}{200} = \frac{1440}{200} = 7.2$$

$$\frac{4 \cdot 360}{200} = \frac{1440}{200} = 7.2$$

$$\frac{1440}{200} = 7.2$$

56 + 72.6 = 69

$$\frac{180 - 100}{100} = \frac{110}{100} = 1.1$$

$$\frac{11 \cdot 6000}{18 \cdot 3} = \frac{66000}{54}$$

$$\frac{110 \cdot 000}{3}$$

$$\begin{array}{r} 3663 \cdot 9 \\ 36 \\ \hline 063 \\ 63 \\ \hline 0 \end{array}$$

333.19

3330 + 333 = 3663

180 - 140 = 40

$$\frac{40}{180}$$

$$\frac{1}{4.5} = \frac{2}{9}$$

УК-1

стр. 6

