

11

- 4 .

1. « -  
»?

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2. - -  
, , -  
?  
?

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3.  $\frac{E_1}{E_2} = a^{m_2 - m_1}$ ,

8

$a = 2,512?$

4. 900 / -  
60°  
5 . ?

8

5. 0,4" .  
 $\Delta\} / \} = 0,008.$   
?

8

6. , , -  
.

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$$1 = 3,086 \cdot 10^{16}$$

$$\begin{aligned} R_G &= 20 \\ H_G &= 1 \\ R_o &= 8,5 \\ V_o &= 220 \end{aligned}$$

( . ) 1 . . = 150 .

$$\begin{aligned} G &= 6,67 \cdot 10^{-11} \text{ }^2 / \text{ }^2 \\ &= 5,67 \cdot 10^{-8} \text{ } / ( \text{ }^2 \text{ }^4 ) \\ R &= 8,3 \text{ } / ( \text{ } ) \end{aligned}$$

$$R_{\oplus} = 6371,032$$

$$R_{\oplus} = 6378,160$$

$$R_{\oplus} = 6356,777$$

$$M_{\oplus} = 5,978 \cdot 10^{24}$$

$$M_{\oplus} = 5,52 \text{ } / \text{ }^3$$

$$29,765 \text{ } / \sim 100000 \text{ } /$$

$$11,2 \text{ } /$$

$$M_{\odot} = 1,9904 \cdot 10^{30}$$

$$R_{\odot} = 7 \cdot 10^8$$

$$618 \text{ } /$$

$$2,03 \text{ } /$$

$$g_{\odot} = 273,8 \text{ } / \text{ }^2$$

$$L_{\odot} = 3,88 \cdot 10^{26}$$

$$V: -26,6^m$$

$$-26,9 \text{ m}$$