

1. :
 , , 23 56 .
 23 57

2. !

3. 0.387 . , 2.58 ,
 2,85 , , 1,3 .
 C

$$m = -26.8 - 5 \lg 2.58 = -28.9.$$

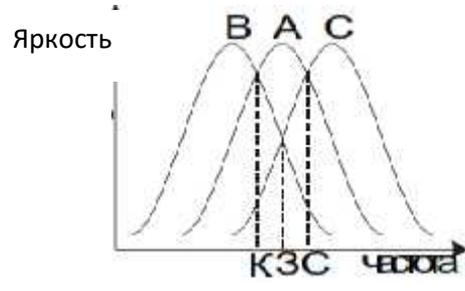
4. M , a , T III :

$$\frac{a^3}{T^2 M} = \frac{G}{4\pi^2} = const$$

14'' /d, d —
 10'' /r , r —
 0.14'' , r, 71 .

5. ()

A, B, C (A, B, C).
 A, B, C (A, B, C).
 A, B, C (A, B, C).



6.

), (