

...











BioStats × MSE110





Math129

























30/9. HW#4.

1.
$$B(2,8,3) = \frac{\pi^2 h^2}{2n} \left(2^2\pi 8^2 + 3^2\right)$$

 $= \frac{\pi^2 \left(1.05 \times 10^{-34}\right)^2}{2(9.11 \times 10^{-31})} \left(4184 + 4\right)$

2
$$E(2,2) = \pi^2 (1.05 \times (0^{-34})^2 (2^2 + 2^2)$$

$$= 2(9.11 \times 10^{-31})$$

~ 4.78 e - 37.

$$1.46 \times 10^{23} \times 6.022 \times 10^{34} = 8.79e^{87.}$$

$$= 39$$

$$= 2.25e^{56.}$$

...















Phys141 ×

































B.	2.3 × 1023	-> Rb-

$$\frac{2-3\times10^{23}}{6-022\times10^{24}} = 3.819e^{-12} \times 85.47$$

$$= 3.26e^{-10}$$

$$\frac{7.051 \times 10^{-23}}{1.064 \times 10^{14}} = \frac{6.6268 e^{-42.} 2(4.11 \times 10^{-31})}{(2^2 + 1^2) \pi^2 (1.05 \times 10^{30})^2}$$

$$Cd \rightarrow 2$$

$$A_{S} \Rightarrow 2(1) \Rightarrow 2$$

$$C_{C} \Rightarrow 3$$

$$C_{C} \Rightarrow$$









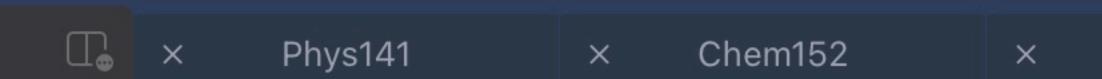








































10. Tertræcht leteluder strectur.

(A). Cen In Sen

Colnte -> Tetrahedral gent.

- GaAs

1= 785nm

GaAs, Es=1.42eV. (B)