## 2111033艾明旭原子物理第三次作业

 $E = \frac{3}{2}kT = \frac{2}{2} \times 1.38 \times 10^{-23} \times 298.15 \approx 6.2104 \times 10^{-21}$   $A = \frac{h}{\sqrt{2mE}} = \frac{6.626 \times 10^{-34}}{\sqrt{2\times 1.675 \times 10^{-27} \times 6.216 \times 10^{-21}}} \approx 2.47 \times 10^{-10} \text{m}$   $A \ge 1 + \frac{h}{\sqrt{2mE}} = \frac{5.626 \times 10^{-34}}{\sqrt{2\times 1.675 \times 10^{-27} \times 6.216 \times 10^{-21}}} \approx 2.47 \times 10^{-10} \text{m}$   $A \ge 1 + \frac{h}{\sqrt{2mE}} = \frac{2 \times 1.38 \times 10^{-23} \times 298.15 \approx 2.47 \times 10^{-10} \text{m}}{\sqrt{2\times 1.675 \times 10^{-27} \times 6.216 \times 10^{-21}}} \approx 2.47 \times 10^{-10} \text{m}$   $A \ge 1 + \frac{h}{\sqrt{2mE}} = \frac{2 \times 1.38 \times 10^{-23} \times 298.15 \approx 2.47 \times 10^{-10} \text{m}}{\sqrt{2\times 1.675 \times 10^{-27} \times 6.216 \times 10^{-21}}} \approx 2.47 \times 10^{-10} \text{m}$   $A \ge 1 + \frac{h}{\sqrt{2mE}} = \frac{2 \times 1.38 \times 10^{-23} \times 298.15 \approx 2.47 \times 10^{-10} \text{m}}{\sqrt{2\times 1.675 \times 10^{-27} \times 6.216 \times 10^{-21}}} \approx 2.47 \times 10^{-10} \text{m}$   $A \ge 1 + \frac{h}{\sqrt{2mE}} = \frac{2 \times 1.38 \times 10^{-23} \times 298.15 \approx 2.47 \times 10^{-10} \text{m}}{\sqrt{2\times 1.675 \times 10^{-27} \times 10^{-10}}} \approx 2.47 \times 10^{-10} \text{m}$   $A \ge 2 + \frac{1}{2} \times 1.38 \times 10^{-23} \times 10^{-23}$