量子为学第9回1十一年(1年95)

2:分配関数

阿巴関教

$$Z = \sum_{n=0}^{\infty} \frac{\exp\left(-\frac{h+\frac{1}{2}}{k_{BT}}\right)}{\exp\left(-\frac{h}{k_{BT}}\right)}$$

$$= \exp\left(-\frac{h}{k_{BT}}\right) \sum_{n=0}^{\infty} \exp\left(-\frac{h}{k_{BT}}\right)$$

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|mフをとる確審

$$P(E_{IR}) = \frac{1}{2} e^{x} P(-\frac{\epsilon_{IR}}{kT})$$

$$= e^{\frac{1}{2} w} \frac{e^{x} P(-\frac{\epsilon_{IR}}{kT})}{(1 - e^{-\frac{1}{2} w} e^{-\frac{1}{2} t})} e^{\frac{1}{2} \frac{1}{kT}}$$

$$\frac{k w}{k} \frac{w}{kT} \frac{k}{kT} \frac{k}$$

 $\begin{array}{lll}
& \left(2x^{2} + 5)^{3} \circ \underline{\mathcal{I}}\underline{\mathcal{L}} \circ \overline{\mathcal{L}}\underline{\mathcal{L}} \circ \overline{\mathcal{L}}\underline{\mathcal{L}} \circ \overline{\mathcal{L}}\underline{\mathcal{L}}
\end{array}\right) \\
& \left[-\frac{1}{2M} \cdot \frac{1}{2M} \cdot \frac{1}{2M} \cdot \frac{1}{2M} + V(x - x_{2}) \right] \Psi(x_{G}, x) = E \Psi(x_{G}, x)
\end{array}$ $\left[-\frac{1}{2M} \cdot \frac{1}{2M} \cdot \frac{$

(त्र्वाह p (xa) p(x) गर्मेडट

 $-\frac{K^{*}}{2M}\frac{1}{\sqrt{M}}\frac{d^{*}}{\sqrt{M}}\frac{d$

が是 (SE: シュレディンガーの式)