Lecture 4.000 [11(10/7/00)
Hendry Structure 4.000 [11(10/7/00)
H. =
$$\frac{g}{2\pi} = \frac{g}{2\pi}$$

 $\vec{r} \cdot \vec{A} = 0$ $\Psi = 0$
 $-\frac{h}{2\pi} = \vec{r} + \frac{g}{2\pi} = \frac{Z^2}{Z^2}$
 $\vec{r} \cdot \vec{A} = 0$ $\Psi = 0$
 $-\frac{h}{2\pi} = \vec{r} + \frac{g}{2\pi} = \vec{A} \cdot \vec{\nabla} + \frac{g^2}{2\pi} = \vec{A}^2 + V(\vec{x}) \cdot \vec{F}(\vec{x}) = E^{\frac{1}{2}}(\vec{x})$
 $-\frac{1}{2}B(g_{1-\frac{1}{2}}(x)) = \vec{A} = -\frac{i}{2} \cdot \vec{X} \cdot \vec{B}$ $\vec{r} \cdot \vec{X} = \vec{B} = \beta^2 \cdot \vec{s}$
 $-\frac{g}{2\pi} = \vec{C} \cdot \vec{B} = \vec{F} \cdot \vec{S}$
 $g_{-\frac{1}{2}} = \vec{F} \cdot \vec{E}$ $\vec{F} = \frac{1}{2} \cdot \vec{S}$
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$$A = \frac{m}{ehc} \quad (\xi - \frac{n}{am}) - 2m$$

$$X \to \infty \qquad \left(\frac{d^{2}}{dx} - x^{2}\right) \quad d(x) \geq 0 \quad \Rightarrow \quad M(k) = e^{-k^{2}/k}$$

$$\overline{X \to \infty} \qquad \left(\frac{d^{2}}{dx} + \frac{1}{x} \frac{d}{dx} - \frac{m^{2}}{xt}\right) \quad d(x) \geq 0 \quad \Rightarrow \quad M(k) \equiv x^{|m|}$$

$$\frac{d(x)}{d(x)} = e^{-k^{2}/k} \quad x^{|m|} \quad G(u)$$

$$x^{k} = g$$

$$\left((L_{r}^{k})^{r}(y) + \left(\frac{s+1}{3} - 1\right)\left(\frac{l}{x}^{k}\right)^{r} + \left(\frac{r-s}{3}\right)L_{r}^{s}(y) = 0$$

$$G(y) = L_{r}^{s}(y) \quad x = \frac{\lambda - z - km}{4}$$

$$S = lm/l \quad r - s = \frac{-1}{4}$$

$$\int h_{r} = r - s$$

$$k = \frac{h_{2}}{k} \quad k\omega_{L}$$

$$\frac{\sqrt{A} = -\frac{1}{2}(0, x_{1}0) \quad \overline{\nabla} \times \overline{A} = \overline{B} = \overline{B} c_{3}^{*}$$

$$A_{r} = -\frac{1}{2} \mid \overline{B}(y; x, s) \mid \overline{\nabla} \times \overline{A} = \overline{B} = \overline{B} c_{3}^{*}$$

$$\frac{A_{r} - \overline{Y} \cdot (y)}{k} = \frac{d^{2}}{k} + \frac{e^{2}}{k} + \frac{e^{2}}{k} = \frac{1}{2m} + \frac{e^{2}}{k} + \frac{e^{2}}{k} = \frac{1}{k} = \frac{1}{2} + \frac{e^{2}}{k} + \frac{e^{2}}{k} = \frac{1}{k} = \frac{1}{2} + \frac{e^{2}}{k} = \frac{1}{k} = \frac{1}{k} = \frac{1}{k} = \frac{1}{k} = \frac{1}{k} + \frac{e^{2}}{k} = \frac{1}{k} = \frac{1}{k}$$

 $\begin{array}{c} X - \frac{\hbar ck}{eB} = X' \\ dX = dx' \\ \left(- \frac{\hbar^{2}}{2m_{e}} \frac{d^{2}}{dx'^{2}} + \frac{e'B^{2}}{2m_{e}ci} X^{1^{2}} \right) \frac{d}{\sqrt{x}} = \frac{d}{\sqrt{x}} \\ \mathcal{V}(x') = \mathcal{E} \mathcal{V}(x') \end{array}$ $\frac{1}{2}m_e\omega^2 \chi^2$ $\frac{1}{2}(m_e\omega^2) = \frac{e^2B^2}{2m_ec^2}$ $\omega^{2} = \frac{e^{i}B^{2}}{m_{e}^{2}c^{2}} \longrightarrow \omega_{g} = \frac{eB}{m_{e}c}$ $E_n = h\omega_B \left(n + \frac{1}{2} \right)$ Landau $\int_{-\infty}^{\infty} U \left(\omega \right) \int_{-\infty}^{\infty} \frac{1}{2} \left(\omega \right) \left(\omega \right) \int_{-\infty}^{\infty} \frac{1}{2} \left(\omega \right) \left($ $\vec{A} \rightarrow \vec{A'} = \vec{A} - \vec{\nabla} \lambda$ $\vec{\varphi} \rightarrow \vec{\varphi'} = \vec{\varphi} + \frac{i}{c} \frac{\partial}{\partial t} \lambda$ $\vec{B} = \vec{E}$ $i \frac{\partial}{\partial t} \psi (\vec{x_1}t) = H \psi (\vec{x_1}t)$ $\psi \rightarrow \psi' = e^{i\alpha(\lambda)} \psi$ 1412 1412