①:认电子t=0的总量为生标原点。建立坐标录Oxyz, 如右骨附示, 制度与为 e(产+办x的), 制运的微 分方程为mir=e(Fj+ixBk)

$$\frac{\partial}{\partial y} \left\{ \begin{array}{l}
\ddot{x} = \frac{eB}{m} \dot{y} \\
\ddot{y} = \frac{eE}{m} - \frac{eB}{m} \dot{x} (2), \ \ddot{z} = 0 (3)
\end{array} \right.$$

又大小式配分,用以=0时,之=V定配分常数,得 ·= = my+V(4)

$$\begin{aligned}
& + = 0 \text{ not}, M = 0, \quad \dot{M} = 0, \quad \dot{C}_{1} = \frac{mV}{eB} - \frac{mE}{eB^{2}}, C_{2} = 0, \quad \dot{M} \end{aligned}$$

$$\eta = \left(\frac{mE}{eB^{2}} - \frac{mV}{eB}\right) \left(1 - co\frac{eB}{m}t\right), \quad \dot{M} \times (4) = \frac{mE}{B} \times (4) = \frac{E}{B} \times (4)$$

南(3)刻及七=01时と=0,之=0,可夫12 そ=0 (2) 苍色0,则运动微分方程为 兰二0,说二些, 兰二0

配分, Dt=0时, x=y=2=0, x=V, y=2=0,3等

 $\begin{cases} M = \frac{e\overline{L}}{2m\sqrt{2}} \chi^2 \\ Z = 0 \end{cases}$

 $x = \frac{mV}{oR} s m \frac{eB}{m} + , y = \frac{mV}{oB} co \frac{eB}{m} + - \frac{mV}{oB}, z = 0$ 电子执道方程为 $\left(\frac{mV}{QB}\right)^2 = \left(\frac{mV}{QB}\right)^2$ $= \left(\frac{mV}{QB}\right)^2$

该抗重为Oxy平面内,圆心住于(O,一些) 举程为一般的圆。