Central Jonces a Two-Rody overanching view ! 2-body problem: $m_1 \ddot{x}_1 = \ddot{F}_1(x_1 y)$ $m_2 \ddot{k}_2 = F_2(x_1 y)$ $a_{x_1} = \frac{\overline{x_1}}{m_2}$ $a_{x_2} = \frac{\overline{f_{x_2}}}{m_2}$ dy = vy2 + 3 mare equations hwg 4 coepled ODE, sum atrest $x_1y_1 - x_1\phi$ $\vec{n} = \vec{n}_1 - \vec{n}_2$ P = m, 2, + m2 (2 $K = \frac{1}{2} \mu \left(\dot{z}^2 + a^2 \dot{z}^2 \right) \quad \mu = m_1 m_2$ L= mrd K= 1 mi2 + L $\dot{\beta} = \frac{L}{\mu c^2} \qquad 1 \dot{i} = -\frac{dVeff}{dc} \frac{1}{\mu}$ $Vell(a) = V(a) + L^2$

 $V(1) = - \frac{1}{2} = - \frac{1}{2} = \frac{1$

$$\frac{\left(1+\varepsilon\cos\phi\right)\Lambda=C}{y=n\cos\phi}$$

Ellipse

$$\frac{x^2}{a^2} + \frac{g^2}{b^2} = 1$$

$$a > b = 7$$

$$\int a \cdot a \cdot b = 7$$

$$\int a \cdot a \cdot b \cdot c = \sqrt{a^2 \cdot b^2} \cdot \frac{1}{2} \cdot c$$

N + ZX = C on C = C - EX $(x^2 + y^2 = x^2)$

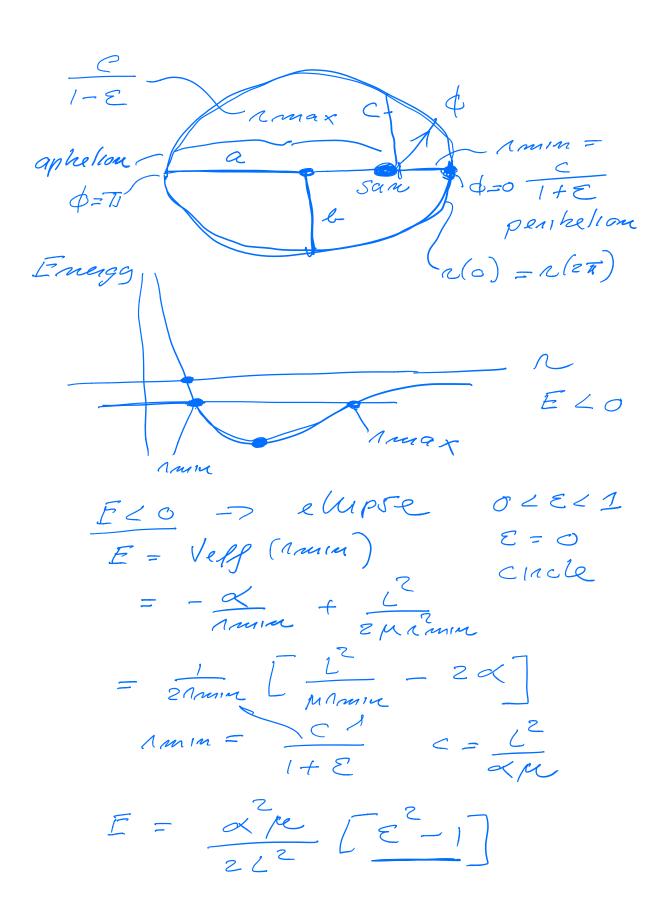
 $z^2 = z^2 + z^2 z - z z z c = x + y^2$

$$\sum_{x=0}^{\infty} (1-e^{x}) + 2cex + g^{2} = c^{2}$$

$$\sum_{y=0}^{\infty} (1-e^{y}) + 2cex + g^{2} = c^{2}$$

$$\sum_{y=0}^{\infty} (1-e^{y})$$

$$\sum_{y=0$$



$$E = 0 = 7 \quad E = \pm 1 \quad E \neq 0$$

$$E = +1$$

$$1(\phi) \Rightarrow \Rightarrow \quad \text{at } \phi \Rightarrow \Rightarrow \pm \pi$$

$$1(\phi) = \frac{C}{1 + E \cos \phi}$$

$$1(1 + E \cos \phi) = C \quad E = 1 = 7$$

$$1(\phi) = \frac{C}{1 + E \cos \phi}$$

$$1(1 + E \cos \phi) = C \quad E \Rightarrow 1 = 7$$

$$1(\phi) = \frac{C}{1 + E \cos \phi}$$

$$1(\phi) = \frac{C}{1$$