150140 Clase 11 bc=3136=3BM F6 (T+) 0 = 1 Arcsin (2783 + 2MT) Om = 1 Arcsin (35 5) + 2mi Om = 1 ArcSin (be) + 2mT nota: Om ER > bc < b + solvaiones 6 = 236 Sin 80 [1=213 b { 13 cos00 - 1 sin 80} 12=213b}-13co806-1sin806 con 90 = 1 Arcsin (be) b=bc=> 0= I a orbitas
criticas

,

$$\frac{d\Gamma}{d\phi} = \pm \frac{r^2}{L} \sqrt{\frac{E^2 - Vef}{E^2 - Vef}} = \pm \frac{r^2}{L} \sqrt{\frac{4\rho_3(r)}{r^3}}$$

$$P_3(N) = E^2 \left( \frac{1}{N} - \frac{1}{N^2} \right) \left( \frac{1}{N} - \frac{1}{N^2} \right) \left( \frac{1}{N} + \frac{1}{N^2} \right)$$

$$\frac{1}{2} \int \frac{1}{2} \frac{1}{2} \int \frac{1}{2} \frac{1}{2} \int \frac{1}{2} \frac{1}{2} \int \frac{1}{2} \frac{1}{2} \frac{1}{2} \int \frac{1}{2} \frac{$$

$$= \frac{E}{\sqrt{\mu_0 \cdot \mu_1 \cdot |\mu_2|}} \cdot \sqrt{(\mu_0 - \mu)(\mu_1 - \mu)(\mu_1 + |\mu_2|)}$$

Teniamos

$$\frac{d\Gamma}{dV} = \pm \sqrt{E^2 - Vef(r)}$$

Shora

$$\frac{d\varphi}{dV} = \frac{1}{L^2}$$

$$\frac{d\Gamma}{dV} = \frac{d\varphi}{dV} = \frac{1}{L^2} \frac{dV}{d\varphi}$$

$$\frac{d\Gamma}{dV} = \pm \frac{1}{L^2} \sqrt{E^2 - Vef}$$

The corregion of the endesse  $\varphi$ .

du = = = = 1 (10-10)(11-11)(112-11)

 $\frac{dl}{d\phi} = \mp \frac{1/6}{\sqrt{\mu_0 \mu_1 \mu_2}} \sqrt{(\mu_0 - \mu)(\mu_1 - \mu)(\mu_2 - \mu)}$ 

Mollillz = 1 - 1 - 1

Orbites critices:  $M_0 = M_1 = \frac{2}{3\Gamma_5}$  $\Gamma_0 = \Gamma_1 = \frac{3\Gamma_5}{2}$   $M_2 = -\frac{1}{3\Gamma_5}$ 

CI II H

$$\frac{du}{d\phi} = \mp \propto \sqrt{(u_0 - u_1)^2(u_0 - u_2)} \qquad \forall = \frac{1}{\sqrt{-\mu_0 u_1 u_2}}$$

$$= \mp \propto \sqrt{(u - u_0)^2(u - u_2)}$$

$$\frac{du}{d\phi} = \mp \propto (u - u_0) \sqrt{u - u_2}$$

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$$\frac{du}{d\phi} = \pm \propto (u$$

La orbita de detenida a portir de (x) corresponde el movimiento a la "derecha" de To. ilamaremo) a este tipo de orbitas como las orbitas de primera especie. Asociada a estes orbitas (con igual parametro de rospecto) esten las orbitas de segunda especie, es de oir eque segunda especie, es de oir eque (la) que se realizan el lado