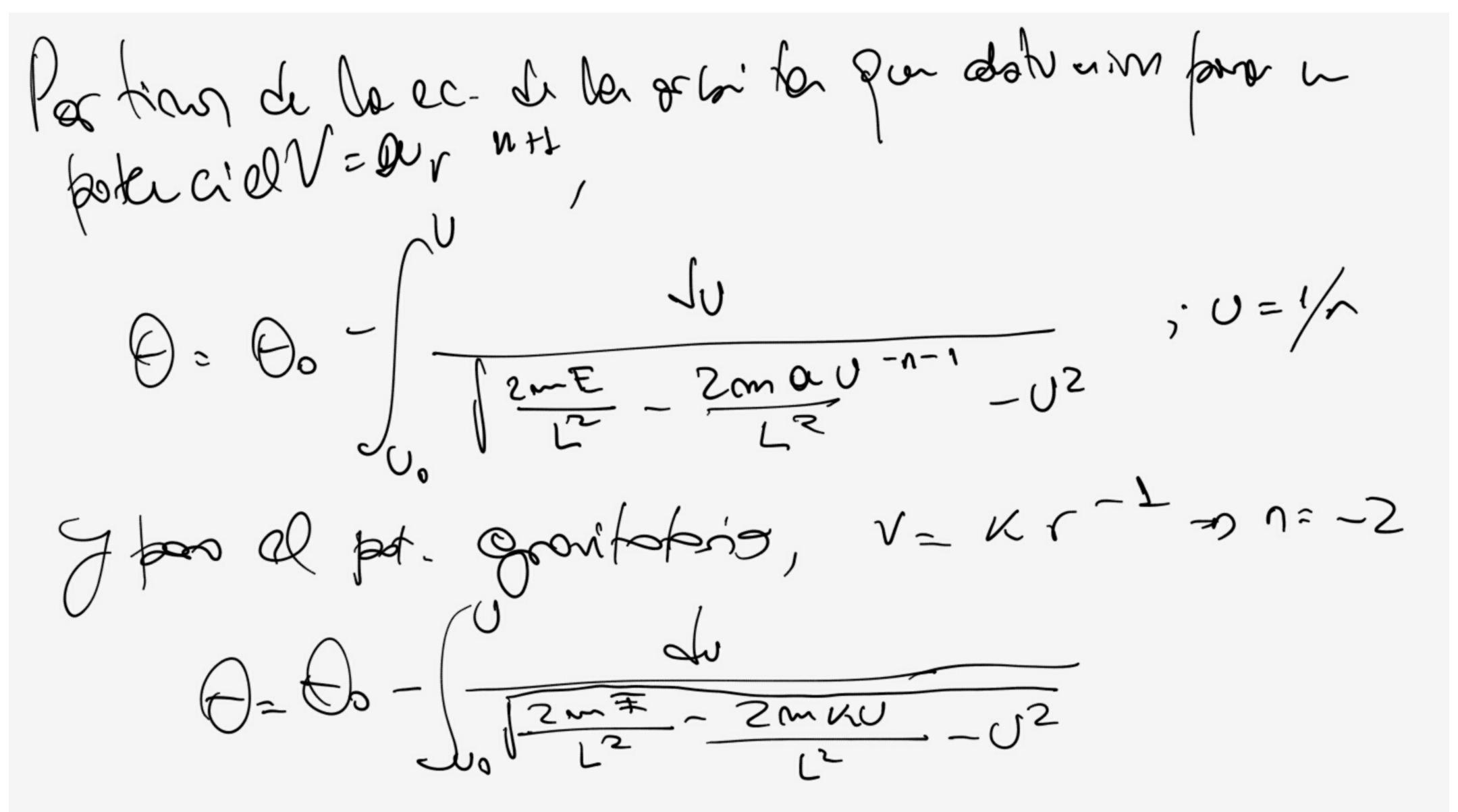
Mecánica 2014

U02C03: Kepler 2014/10/14

> H. Asorey hasorey@uis.edu.co UIS



Our tren la former de $\int \frac{dx}{|\lambda + \beta v + v^2|} = \frac{1}{\sqrt{-\gamma}} \frac{\text{grans}}{|\beta^2 - 4 \lambda x|}$ $Cn = \frac{2mE}{L^{2}}; \beta = \frac{2mK}{L^{2}}; \beta = -1$ $-0 p^{2} - 4d0 = \frac{4m^{2}\kappa^{2}}{L^{4}} + \frac{8mE}{L^{2}} = \frac{2mk^{2}}{L^{2}} \left(1 + \frac{2EL^{2}}{m\kappa^{2}}\right)$ = 1 p2 - 4 dy = (2mx) 1 +2 F L mx2

Paro U numerodor: $r_{3}+2r_{0}=\frac{2m\kappa}{L^{2}}-2r=\frac{2m\kappa}{L^{2}}\left(1-\frac{r_{1}\kappa}{r_{1}\kappa}\right)$ $fan U Coulno del Signo: <math>\left(\frac{2m\kappa}{L^{2}}\right)\left(\frac{r_{1}}{r_{1}\kappa}\right)$ Luego para el orcenteur: (U^2) $(uux)^2$ (U^2-1) (U^2-1) (J buts Pru 8=-1 20 1/5-1 -1 =0

0 = 0' - aca) [mic] -1 Notor free Sils lau os uno vonoble Restricted poor U: $0 = \frac{4}{2} \left(1 + e cos \left(\Theta - \Theta \right) \right)$

Que es la concière de lo excenticuides punde exantraided.

Le Arride for $C = \sqrt{\frac{2 \pm L^2}{m k^2}}$ Notor fru pr., L2, 22 y 2 Sm ponition Es El signa set y eldipo de se bid fundo dotindo for E:

-2/E = 50 f² (K) - Lo - NAP

$$\frac{1}{2} \frac{1}{E} = -\frac{1}{4} \frac{1}{2} = 0$$

$$\frac{1}{2} \frac{1}{2} = -\frac{1}{2} \frac{1}{2} = 0$$

$$\frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{1}{2} = 0$$

$$\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} = 0$$

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

obien $\frac{1^2}{mR} = a(1-e^2)$ A Recordends la ec. de la Solaton.

L= \frac{1}{7}\left(1+EGn\left(\theta-\theta')\right) $= \int \left(1 + \epsilon \cos \left(\theta - \theta' \right) \right)^{-1}$ $= \int \left(1 + \epsilon \cos \left(\theta - \theta' \right) \right)^{-1}$

$$\begin{cases} (\theta) = \alpha & \frac{1 - e^2}{1 + e^2} \\ (\theta) = \alpha & \frac{1 - e^2}{1 + e^2} \end{cases} \Rightarrow P = \alpha (1 - e^2)$$

$$\begin{cases} P \Rightarrow (\theta - \theta) = \pi \Rightarrow P = \alpha (1 - e^2) \\ A \Rightarrow \alpha & \frac{1 - e^2}{1 - e^2} \Rightarrow A = \alpha (1 + e^2) \end{cases}$$

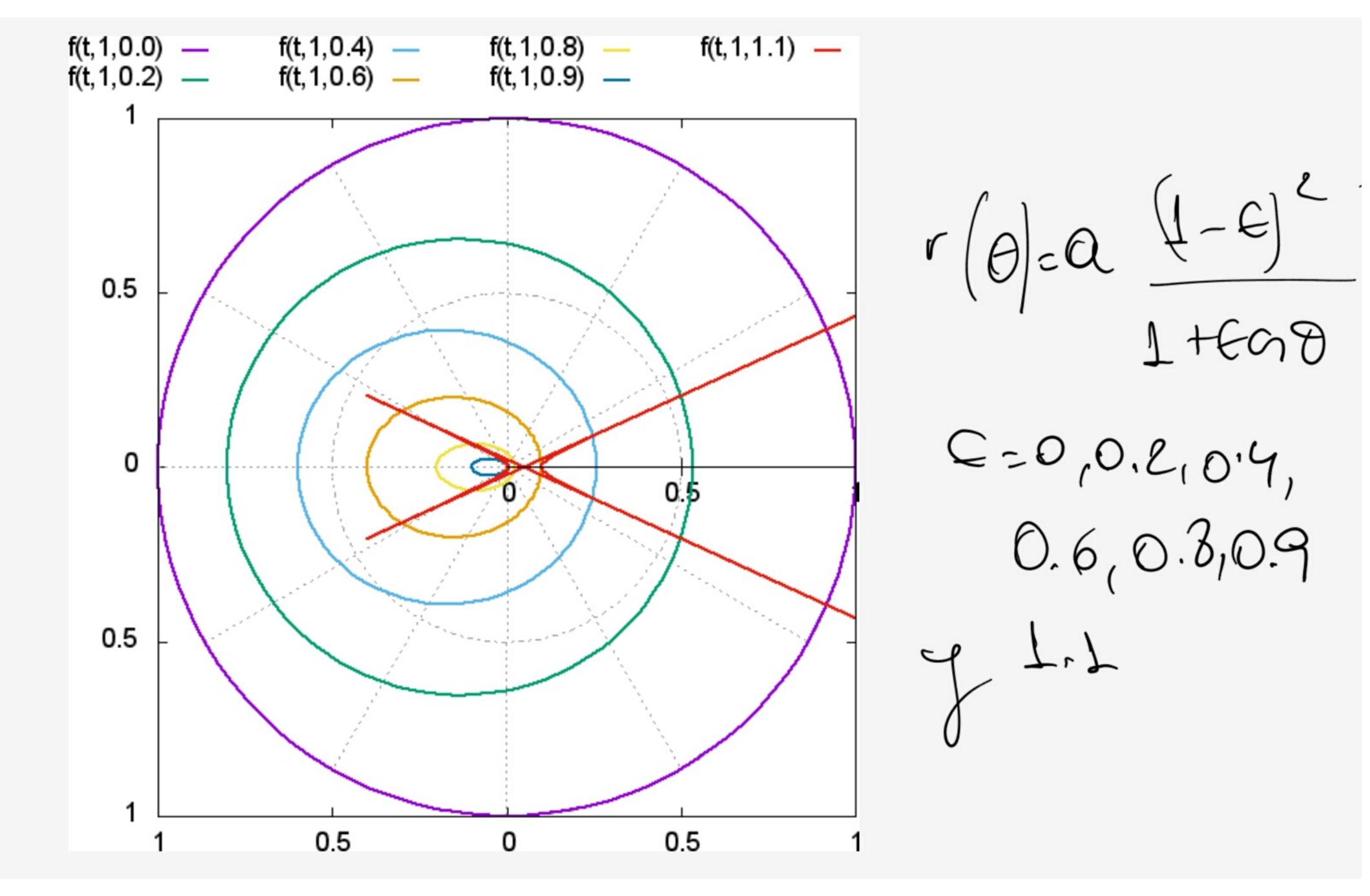
Vean
$$\theta'=0$$
 s
$$\Gamma(\theta)=\alpha \frac{(1-\epsilon)^2}{1+\epsilon cs}\theta$$

$$Si \in =0 \Rightarrow \Gamma(\theta)=\alpha \quad \text{for Circular an}$$

$$Si \in +1 \Rightarrow \Gamma=0$$

$$Si \in +1 \Rightarrow \Gamma=0$$

$$Si \in +1 \Rightarrow \Gamma=0$$



Andrigs temporal recording: $t=\int_{0}^{\infty} \frac{dr}{\sqrt{2mr^{2}}}$ $= \int_{0}^{\infty} \frac{dr}{\sqrt{2mr^{2}}} \int_{0}^{\infty} \frac{dr}{\sqrt{2mr^$ Es Comerife plantes les cresentements la Exambraided Anniele:

