

CLIZ

$$\mu = -\frac{1}{3\Gamma_{s}} + \frac{1}{\Gamma_{s}} Tanh^{2} \frac{1}{2}(\phi - \phi_{0}) + \frac{1}{especie}$$

$$\mu = \frac{3Tanh^{2} \frac{1}{2}(\phi + \phi_{0}) - 1}{3V_{s}} = \frac{1}{\Gamma}$$

$$\frac{3V_{s}}{3Tanh^{2} \frac{1}{2}(\phi - \phi_{0}) - 1}$$

$$\frac{1}{2} = \frac{1}{\sqrt{M_{s}}} \left(\frac{2M_{s}}{3} + \frac{M_{s}}{3} - M_{s} Th^{2} \frac{1}{2}(\phi - \phi_{0})\right) \times \frac{1}{\sqrt{M_{s}}} \left(\frac{2M_{s}}{3} + \frac{M_{s}}{3} - M_{s} Th^{2} \frac{1}{2}(\phi - \phi_{0})\right) \times \frac{1}{\sqrt{M_{s}}} \left(\frac{1}{2} - \frac{1}{2}(\phi - \phi_{0})\right) \times \frac{1}{\sqrt{M_{s}}} \left(\frac{1}{2$$

Cambio de variable para la érbita de 2º especie:

 $U = \frac{2}{3\Gamma_S} + \frac{1}{\Gamma_S} Tan \frac{1}{2} = \frac{2 \text{ Ms}}{3} + \text{ Ms} Tan \frac{1}{2} = \frac{2}{3}$

i) du = Us. x Tanà E. Sec 2 = 2

 $\frac{\partial u}{\partial \phi} = \frac{\partial u}{\partial \xi} \cdot \frac{\partial \xi}{\partial \phi} = u_s \tan \xi \xi \sec^2 \frac{1}{2} \xi \frac{\partial \xi}{\partial \phi}$

ii) - 1 (11-11c) JU+11s/3 = 1 (11-211s) x JU+11/3

1. Us Tan 25 x V Ms + Ms Tan 25 =

= Ms Tan 25 x Sec 25

(i) = \$\frac{1}{(ii)}: \ls Ten\frac{1}{2}\xi\ sec^{\frac{1}{2}\xi\ d\phi} = \frac{1}{4}\stan^{\frac{1}{2}\xi\ sec^{\frac{1}{2}\xi\ d\phi}

 $\frac{d\xi}{d\phi} = \mp \tan \frac{1}{2}\xi \times \cos \frac{1}{2}\xi = \mp \sin \frac{1}{2}\xi$

a) d= FSINZ 5

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Tonomos

$$=\frac{1}{2}\left(\frac{\cos \frac{1}{4}\xi}{\sin \frac{1}{4}\xi}+\frac{\sin \frac{1}{4}\xi}{\cosh \xi}\right)d\xi$$

Integrando (+)

$$\phi = \frac{1}{2} \int \frac{\cos \frac{1}{4} \xi d\xi}{\sin \frac{1}{4} \xi} + \frac{1}{2} \int \frac{\sin \frac{1}{4} \xi d\xi}{\cos \frac{1}{4} \xi}$$

$$=\frac{1}{2}\int \frac{d(\sin \frac{1}{4}\xi) \cdot H}{\sin \frac{1}{4}\xi} + \frac{1}{2}\int \frac{d(-\cos \frac{1}{4}\xi)}{\cos \frac{1}{4}\xi} (-H)$$

Entonces: