$$\begin{array}{c} X = r \cos \phi & \chi(t) = r(t) \cos \phi \\ y = r \cos \phi & \chi(t) = r(t) \cos \phi \\ y = r \cos \phi & \chi(t) = r(t) \cos \phi \\ y = r \cos \phi & \chi(t) = r(t) \cos \phi \\ y = r \cos \phi & \chi(t) = r(t) \cos \phi \\ y = r \cos \phi & \chi(t) = r(t) \cos \phi \\ y = r \cos \phi & \chi(t) = r(t) \cos \phi \\ y = r \cos \phi & \chi(t) = r(t) \cos \phi \\ y = r \cos \phi & \chi(t) = r(t) \cos \phi \\ y = r \cos \phi & \chi(t) = r(t) \cos \phi \\ y = r \cos \phi & \chi(t) = r(t) \cos \phi \\ (x,y) = r \cos \phi & \chi(t) = r(t) \cos \phi \\ (x,y) = r \cos \phi & \chi(t) = r(t) \cos \phi \\ (x,y) = r \cos \phi & \chi(t) = r(t) \cos \phi \\ (x,y) = r \cos \phi & \chi(t) = r(t) \cos \phi \\ (x,y) = r \cos \phi & \chi(t) = r(t) \cos \phi \\ (x,y) = r \cos \phi & \chi(t) = r(t) \cos \phi \\ (x,y) = r \cos \phi & \chi(t) = r(t) \cos \phi \\ (x,y) = r \cos \phi & \chi(t) = r(t) \cos \phi \\ (x,y) = r \cos \phi & \chi(t) = r \cos \phi \\ (x,y) = r \cos$$

$$\widetilde{\rho}_{r} = \frac{\rho_{o}^{2}}{r^{3} \partial m^{2}} \left(\frac{\partial^{3}}{\partial^{3}} \right) - \frac{Gm_{\tau}}{r^{2} \partial} \left(\frac{\partial^{2}}{\partial^{2}} \right) - \frac{Gm_{\tau}}{r^{2} \partial} \left(\frac{\partial^{3}}{\partial^{3}} \right) - \frac{Gm_{\tau}}{r^{2} \partial} \left(\frac{\partial^{2}}{\partial^{2}} \right) - \frac{Gm_{\tau}}{r_{\perp}^{2}} \left(\frac{H_{\tau}}{H_{\tau}} \right) \left(r + \partial Cos(\theta_{\perp}) \right) \left(\frac{\partial^{3}}{\partial^{3}} \right) \\
\widetilde{\rho}_{r} = \frac{\rho_{o}}{r^{3} \partial m^{2}} \left(\frac{\partial^{3}}{\partial^{3}} \right) - \frac{Gm_{\tau}}{r^{2} \partial} \left(\frac{\partial^{2}}{\partial^{2}} \right) - \frac{Gm_{\tau}}{r_{\perp}^{2}} \left(\frac{H_{\tau}}{H_{\tau}} \right) \left(r + \partial Cos(\theta_{\perp}) \right) \left(\frac{\partial^{3}}{\partial^{3}} \right) \\
\widetilde{\rho}_{r} = \frac{\rho_{o}}{r^{3} \partial m^{2}} \left(\frac{\partial^{3}}{\partial^{3}} \right) - \frac{Gm_{\tau}}{r^{2} \partial} \left(\frac{\partial^{2}}{\partial r^{2}} \right) - \frac{Gm_{\tau}}{r_{\perp}^{2}} \left(\frac{H_{\tau}}{H_{\tau}} \right) \left(r + \partial Cos(\theta_{\perp}) \right) \left(\frac{\partial^{3}}{\partial r^{3}} \right) \\
\widetilde{\rho}_{r} = \frac{\rho_{o}}{r^{3} \partial m^{2}} \left(\frac{\partial^{3}}{\partial r^{3}} \right) - \frac{Gm_{\tau}}{r^{2} \partial} \left(\frac{\partial^{3}}{\partial r^{2}} \right) - \frac{Gm_{\tau}}{r^{2} \partial} \left(\frac{H_{\tau}}{r^{2}} \right) \left(\frac{\partial^{3}}{\partial r^{2}} \right) \\
\widetilde{\rho}_{r} = \frac{\rho_{o}}{r^{3} \partial m^{2}} \left(\frac{\partial^{3}}{\partial r^{3}} \right) - \frac{Gm_{\tau}}{r^{2} \partial} \left(\frac{\partial^{3}}{\partial r^{2}} \right) - \frac{Gm_{\tau}}{r^{2} \partial} \left(\frac{H_{\tau}}{r^{2}} \right) \left(\frac{\partial^{3}}{\partial r^{2}} \right)$$

$$\frac{\dot{\rho}_{0}}{\dot{\rho}_{i}} = \frac{-\Delta \cdot \tilde{r} \mu \operatorname{Sen}(\theta_{i})}{\tilde{r}_{i}^{2}}$$

$$\frac{\ddot{\rho}_{i}}{\dot{\rho}_{i}} = \frac{1}{h} \operatorname{m} \operatorname{condectorn} \operatorname{inectaln}$$

$$\frac{\dot{\rho}_{i}}{\dot{\rho}_{i}} = \frac{1}{h} \left(\frac{\lambda c}{\lambda t} \right) = \frac{1}{h} \left(\frac{\lambda \sqrt{x^{2} + y^{2}}}{\lambda t} \right)$$

$$\frac{\ddot{\rho}_{i}}{\ddot{\rho}_{i}} = \frac{1}{h} \left(\frac{\dot{r}_{i} \cdot \ddot{v}_{o}}{\sqrt{x^{2} + y^{2}}} \right)$$

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$$\frac{\ddot{\rho}_{i}}{\ddot{\rho$$

thora $\tilde{\rho}_{0}$: $\tilde{\rho}_{0} = \frac{\dot{\rho}_{0}}{m \dot{\theta}^{2}} = -\frac{Gm_{c} Son(\Theta)}{C_{c}^{3}} \left(\frac{r \dot{\theta}}{\dot{\theta}^{2}}\right) \left(\frac{\dot{\theta}^{3}}{\dot{\theta}^{3}}\right) \left(\frac{\dot{\theta}^{3}}{\dot{\theta}^{3}}\right) \left(\frac{\dot{\theta}^{3}}{\dot{\theta}^{3}}\right)$ Pr = Pr en condectores inectales

 $\widetilde{\rho_1} = \widetilde{\rho_0}^2 \qquad \underline{\Delta} = \underline{\Delta} \mu \quad (\widetilde{\Gamma} - Cos(\theta_1))$

 $\widehat{\rho_i} = \widehat{\rho_0}^2 - \Delta \left(\frac{1}{\overline{r}^2} + \underbrace{\mu}_{\overline{r}^3} (\overline{i} - \cos(\theta - wt)) \right)$

$$\Rightarrow \tilde{\rho}_{\phi} = \frac{\tilde{\Gamma}^{2}}{\tilde{\Gamma}^{2}} (x\dot{y} - y\dot{x})^{\circ}$$

$$\hat{\rho}_{0} = \frac{\Gamma_{0} \times \gamma_{0}}{\gamma_{0}^{2}} \Rightarrow \hat{\rho}_{0} = \frac{\Gamma_{0} \times \gamma_{0} \cdot Sen(\theta - \phi)}{\delta^{2}}$$

$$\circ \circ \widetilde{\rho} = \widetilde{\eta} \cdot \sqrt{s} \operatorname{Sen}(\theta - \phi)$$

$$\delta \circ \widetilde{\rho} = \widetilde{r} \cdot \widetilde{v} \cdot \operatorname{Sen}(\theta - \phi)$$