Fengtrois quoted  $M_{mi} \approx (0.0164 M_{Jup}) \left(\frac{7}{yr}\right)^{3} \left(\frac{8}{ms^{-1}yr^{-1}}\right) \left(\frac{M_{pl}^{2}/3}{mo}\right)^{3}$ 

where the surprising thing is that is typically given in Ms-I day!

The origin of this eqn is stated by Fengt 15 to be the nose function,

assuming exo.S, P=1.25T, KN TY, I they cite

Wright L Howard 2008.

Locking at Wight & Howard 2008, Eq 11 is the most Func ?

$$K^{3} = \frac{2\pi G}{\rho (1-e^{2})^{3/2}} \frac{m^{3} n^{3} i}{(m_{k}+m)^{2}}$$

 $m^3 \sin^3 i = \frac{p(i-e^2)^{1/2}}{2\pi G} (m_1+m)^2 + \frac{3}{3}$ 

 $m \sin i = \left(\frac{\rho}{2\pi G}\right)^{1/3} \left(1-e^2\right)^{1/2} \left(m_1 + m\right)^{2/3} K$ 

 $\approx \left(\frac{1.25 \, \tau}{2 \, \text{nG}}\right)^{1/3} \left(1 - e^2\right)^{1/2} \left(M_{K}\right)^{2/3} \left(\tau \, \dot{s}\right)$ 

 $= \left(\frac{1.25}{2RG}\right)^{1/3} \left(1-e^2\right)^{1/2} M_{*}^{2/3} T^{4/3} \dot{Y}$ 

 $= \frac{\left(1.25\right)^{1/3}}{2\pi(7)} \left(1-e^2\right)^{1/2} \left(M_0^{2/3} - 1 ms^{-1}yr^{-1} \cdot \left(1yr\right)^{4/3}\right)$ 

· ( \frac{c}{yr}) | \frac{r}{ms-1yr-1} ( \frac{m\_1}{m\_0} ) |

meini = (0.03281 Mjul) . (2)42 /2 /2 / (MA)

If factor of half presumably comes for source K= 1708.