


Examph Potatma Eath
－At equaton
$a_{1}=\frac{y^{\prime}}{R}=\omega^{2} R$
$\omega=\frac{2 \pi}{24 \times 3600} \quad R=656 \times 10 \mathrm{~m} \rightarrow \mathrm{~N}^{6}$

b）Unefomcroula．Mistia

$a_{1}: a_{n}: \frac{x^{2}}{x}: w^{2} R$ almemp！ $a_{n}: a_{t}=\lim _{x \rightarrow 0} \frac{\Delta L_{1}}{d t}=\frac{d t}{d t}$

$$
a=\sqrt{a_{1}^{2}+a_{n}^{2}}
$$

$\vec{a}$ na coust
甭扣 $\vec{a}$ toned：eqnd．
$a_{1}=\left(\frac{2 \pi}{24 \times 3600}\right)^{2} \times 139 \times 10^{6}$
$=0.0337 \mathrm{~mm} / \mathrm{s}^{2}$



## Relative Motion Cast <br>  <br> 

