

۲۶: رابان ساریان یازدهم A تکلیف ۲۰

SUBJECT

Year: Month: Day:

Page: ()

$h = n \rightarrow S = 2nr = \omega r \rightarrow n = \sqrt{1} = \sqrt{r}$
 $\rightarrow P = bn = \sqrt{r}$

$\frac{1}{r} \times v \times \omega \times \sin A - \frac{1}{r} \times F \times v \times \sin A = 1/v \omega \rightarrow \frac{1}{r} \times v \times \sin A (\omega - F) = 1/v \omega$
 $\rightarrow \sin A = \frac{1}{p} \rightarrow A = 10^\circ \quad \tan 10^\circ = \frac{\sqrt{r}}{r}$

$\frac{v}{\cos \alpha} - \frac{\sin \alpha}{\cos \alpha} = \frac{r}{\cos \alpha} + \frac{\sin \alpha}{\cos \alpha} \rightarrow \frac{-\sin \alpha}{\cos \alpha} = \frac{\sin \alpha}{\cos \alpha} \rightarrow \cos \alpha < 0$

$\frac{|\sin \alpha|}{\cos \alpha} = -\frac{\sin \alpha}{\cos \alpha} \rightarrow \sin \alpha < 0$

$\tan\left(\frac{\pi}{2} - \alpha\right) = \cot \alpha \quad \cot \alpha = -\cot \beta = -\frac{F}{r}$

$\frac{r \cos\left(\frac{\pi}{2} - \alpha\right) - r \sin(\pi - \alpha)}{\sin(\pi + \alpha) - \cos\left(\frac{\pi}{2} + \alpha\right)} = \frac{-r \sin \alpha - r \sin \alpha}{-\sin \alpha - \sin \alpha} = \frac{-2r \sin \alpha}{-2 \sin \alpha} = r$

$\frac{\cos \alpha + \sin \alpha}{|\tan \alpha - 1|} = \frac{r - \sqrt{w}}{r - 1} = \frac{1 - F\sqrt{w}}{r}$

$n = \sqrt{w} \rightarrow \cos \alpha = \frac{1}{\sqrt{w}} = \frac{-\sqrt{w}}{w}$

$\frac{-rm}{m^2 - 1} = \tan \theta = \sqrt{r} \rightarrow -rm = \sqrt{r} m^2 - \sqrt{r} \rightarrow \sqrt{r} m^2 + rm - \sqrt{r} = 0 \rightarrow |m_1 - m_2| = \frac{\sqrt{4r}}{r}$

$\tan\left(-\left(\pi - \frac{\pi}{2}\right)\right) \rightarrow \frac{\pi}{2} - \frac{\pi}{2} < \pi - \frac{\pi}{2} < \frac{\pi}{2} - \frac{\pi}{2} \rightarrow 0 < \pi < \frac{\pi}{2} \rightarrow \tan \theta = \frac{1-m}{r+m}$
 $\times n \max > 0 \rightarrow \frac{r}{r+m} > 0 \rightarrow \frac{r}{r+m} < 1$

Benobar
 $(\tan(\pi - \theta))(\cos(\pi + \theta)) + (\tan(\pi - \theta))(\sin(\pi - \theta))$
 $= (-\tan \theta)(-\cos \theta) + (-\tan \theta)(\sin \theta) = -\sqrt{r} \left(\frac{-\sqrt{r}}{r} + \frac{\sqrt{r}}{r}\right) = 0$