

$$A = \sqrt{v} \underbrace{\cos(\pi)}_{-\frac{\sqrt{v}}{v}} \sin(\pi \epsilon v) - \sqrt{v} \underbrace{\sin(\pi \alpha)}_{\frac{\sqrt{v}}{v}} \cos(\pi v) = -\frac{v}{v} \sin(\frac{v}{v} - \pi v) - \cos(\pi - \pi v)$$

$$= -\frac{v}{v} (-\cos \pi v) - (-\cos \pi v) = \frac{v}{v} \cos \pi v + \cos \pi v = \frac{2}{v} \cos \pi v$$

$\frac{v}{v} \cdot \frac{2}{v}$

$$f(m) = 14 \cos^4(\pi x) \cos^4(4x) \cos^4(16x) \cos^4(64x)$$

$$f(m) \times \sin^4(\pi m) = 14 \times \underbrace{\sin^4(\pi m)}_{\frac{1}{2} \sin^4(4m)} \times \underbrace{\cos^4(\pi m)}_{\frac{1}{2} \sin^4(16m)} \times \underbrace{\cos^4(4m)}_{\frac{1}{2} \sin^4(64m)} \times \underbrace{\cos^4(16m)}_{\frac{1}{2} \sin^4(256m)}$$

$$f(m) = \frac{\sin^4(256m)}{14 \times \sin^4(\pi m)} \stackrel{\pi = \frac{11\pi}{14}}{=} \frac{\sin^4(\pi + \frac{1}{14}\pi)}{\sin^4(\frac{1}{14}\pi)} = \frac{\sin^4(\frac{15}{14}\pi)}{14 \times \sin^4(\frac{1}{14}\pi)} = \frac{1}{14} \times \frac{1 - \cos(\frac{15\pi}{7})}{1 - \cos(\frac{\pi}{7})} = \frac{1}{14} \times \frac{1 + \cos(\frac{\pi}{7})}{1 - \cos(\frac{\pi}{7})}$$

$$\frac{1 - \sin x}{1 + \sin x} = \frac{1 - \sin x}{1 + \sin x} \times \frac{1 + \sin x}{1 + \sin x} = \frac{1 - \sin^2 x}{1 + 2\sin x + \sin^2 x} = \frac{\cos^2 x}{(1 + \sin x)^2}$$

$$\tan x = \frac{v \tan \frac{x}{v}}{1 - \tan^2 \frac{x}{v}} = \frac{v}{\epsilon} = \frac{v \tan \frac{x}{v}}{1 - \tan^2 \frac{x}{v}} \Rightarrow v - v \tan^2 \frac{x}{v} = \epsilon \tan \frac{x}{v}$$


$$\frac{v}{\epsilon} \tan^2 \frac{x}{v} + \tan \frac{x}{v} - v = 0 \Rightarrow \tan \frac{x}{v} = \frac{-1 \pm \sqrt{1 + 4v^2}}{2v}$$

$\frac{1}{-v}$

$$\frac{\sin \theta}{1 - \cos \theta} + \frac{1 + \cos \theta}{\sin \theta} = \frac{\sin \theta \cos \frac{\theta}{v} + \cos \frac{\theta}{v}}{\sin \theta \cos \frac{\theta}{v}} + \frac{\cos \frac{\theta}{v}}{\sin \theta \cos \frac{\theta}{v}}$$

$$= \frac{\sin \theta \cos \frac{\theta}{v} + \cos \frac{\theta}{v}}{\sin \theta \cos \frac{\theta}{v}} = \frac{1 + \cos \frac{\theta}{v}}{\sin \theta \cos \frac{\theta}{v}}$$

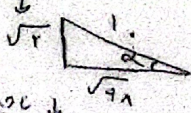
$K = v$



$$C.s(\frac{11\pi}{2} + \alpha) = C.s \frac{11\pi}{2} \times C.s \alpha - \sin \frac{11\pi}{2} \times \sin \alpha$$

$$= (-\frac{\sqrt{v}}{v}) \times (-\frac{\sqrt{9A}}{1}) - \frac{\sqrt{v}}{v} \times \frac{\sqrt{v}}{1} = \frac{v}{1} - \frac{1}{1} = \frac{v-1}{1}$$

$\frac{v-1}{1}$



$\cos \alpha = \frac{\sqrt{9A}}{1}$