Quiz 04 A01212611
Andonio Osamu Katagini Tanaka 18 Apr 2019 > Series de Fourier Encuentra el periodo fundamental para las siguientes funciones: Tal Cos(nx) · Let f(x) = Cos(nx) swave number • Then, $f(x + \frac{2\pi}{n}) = Gos(n(x + \frac{2\pi}{n}))$ wave bright 2 = Cos (nx + 2TT) $= Cos(nx) \rightarrow Cos(\theta + 2\pi) = Cos(\theta)$ = f(x)• So, $f(x+\frac{2\pi}{n}) = f(x) \rightarrow \frac{2\pi}{n}$ is the smallest positive that $\frac{1}{n} = \frac{2\pi}{n} = \frac{2\pi}{$

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$$Sin(nx)$$
• $Let J(x) = Sin(nx)$
• $Then, J(x + 2\pi) = Sin(nx + 2\pi)$

$$= Sin(nx + 2\pi)$$

$$= Sin(nx) \longrightarrow Sin(\theta + 2\pi) = Sin(\theta) = f(x)$$
• $So, J(x + 2\pi) = f(x) \longrightarrow P = \frac{2\pi}{n/n}$
• $So, J(x + 2\pi) = f(x) \longrightarrow P = \frac{2\pi}{n/n}$
• $So, J(x + 2\pi) = f(x)$
• $So,$