

Texase ice of
2 des coefficients de l'ouvriers:
$Cos(\pm 1) Cos(n+1) = \pm (Coss(\pm n+1) + Cos(\pm n+1))$
$2n = \frac{2}{\pi} \int_{-\pi}^{\pi} \cos(\frac{t}{2}) \cos(nt) dt = \frac{2}{\pi} \cdot \frac{1}{2} \left[\frac{2 \sin((\frac{1}{2} + n)t)}{1 + 2n} + \frac{2 \sin((\frac{1}{2} - n)t)}{1 - 2n} \right]_{0}^{\pi}$
$3n = 2 \left[\frac{\sin(\frac{\pi}{2} + n\pi)}{1 + 2n} + \frac{\sin(\frac{\pi}{2} - n\pi)}{1 + 2n} \right]$
$2n = \frac{2}{\pi} \left(\frac{(-1)^n}{1 + 2n} + \frac{(-1)^n}{1 - 2n} \right)$
$a_n = \frac{4}{\pi} \left(\frac{(-1)^n}{1 - 4n^2} \right)$
X 1-4n2
$a_0 = \frac{4}{\kappa}$
La série de Fourier de F: S(f)(n) = 20 + E an (a (nn) + bn Sh (nn)
$S(f)(x) = \frac{2}{X} + \frac{14}{X} = \frac{5}{X} = \frac{14}{X} = 1$
$S(f)(x) = \frac{2}{\pi} + \frac{4}{\pi} \frac{5}{n=1} \frac{(-1)^n}{1 - 4n^2} \cos(nx)$
2- fet continue [- 1, 7] alors fet contin e x= K
$\Rightarrow S(f)(\pi) = f(\pi)$
Ces(nx) = (-1)" => (-1)" Cs(nx) = 1 (2)
d'après x et β. Ces (π) = 2 + 4 2 1
a/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
$\Rightarrow \begin{array}{c} 3 \\ \lambda \\$
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