\(-\pi\leq x\leq\pi\)
\(0\)

[MTH302] The series \(\sum_{n=0}^{\infty}A_{n}\left(x-x_{y}\right)^{n}\) converges if the radius is _____
less than 1

[MTH302] Find the singular point of \((-x)y''-6xy'-4y=0\)
x = 0

[MTH302] Find\(b_{n}\) in the expansion of \(x^{2}\)nas a Fourier series in \(-\pi\leq x\leq\pi\).
\(0\)

[MTH302] If the recurrence relation is given by \(na_{n}=-3a_{n-1}\),nwhat is the expression for \(a_{4}\)
\(a_{4}=\frac{-3}{4}a_{3}\)

[MTH302] Determine the radius of convergence of the power series \(\sum_{n=0}^{\infty}2^nx^n\)
\(1/2\)

[MTH302] Find the constant \(a_{0}\) of the Fourier series fornfunction \(f(x)=x\) in \(0\leq x\leq2\pi\)
\(2\pi\)

[MTH302] The relation \(a_{n}=\frac{n+2}{n}a_{n-2}\) is calledna_____relation
Recurrence

[MTH302] which of the following functions is odd
\(x^{2}\)

[MTH302] Find the constant \left(a_{0}\right) of the Fourier series for function \left(f(x)=e^{x}\right) in \left(-\pi\leq x\leq\pi\right)
\(\frac{2\sinh\pi}{\pi}\)