Math Factor Seminar

Wednesday, April 1, 2015
1:30 pm, LL 223

Speaker: Tesfaye Yadete

Title: Proof of Convergence of Fourier Series

\[
\frac{f(x^-) + f(x^+)}{2} = a_0 + \sum_{n=1}^{\infty} (a_n \cos nx + b_n \sin nx)
\]

Abstract: We will define Fourier series, describe its historical background and give examples. Then we will discuss its convergence graphically and prove the convergence theorem of the Fourier series.

Refreshments will be served.