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Comparing Fourier and Wavelet Methods in Analyzing Stellar Light Curves MIRIAM SAAD, JOSEPH TROUT, Stockton University — Fourier analysis is traditionally used in analyzing stellar light curves. Fourier Analysis of a signal can calculate the frequencies and the amplitude of the frequencies which make up the signal, which can provide the general characteristic of the signal. Recently, researchers have begun using Wavelet analysis to analyze stellar light curves. This poster compares the use of Fourier analysis with Wavelet analysis when analyzing light curves.

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