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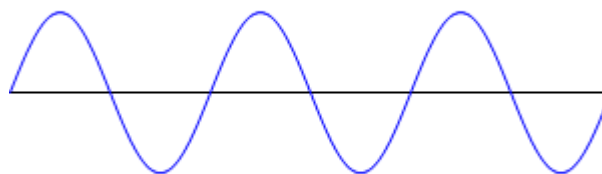
C H A N N E L
I S L A N D S

Undergraduate Math and Physics Seminar

What happens when we Sin over and over, without end?

Dr. Christopher Towse
Visiting Professor, CSUCI

Abstract: One way to analyze a function is to look at the behavior of that function under iteration - plugging the function back into itself. In this talk we will focus our attention on the sine function. A quick and simple analysis gives way to something more complicated when we consider sine as being defined by its power series. By controlling for the growth of the terms of the coefficients in the n th iterate, as functions of n , we find a surprising relationship to a family of rational functions.



When: Wednesday, February 11, 2015, 4:30-5:20 pm

Where: CSUCI, Del Norte 2530