

# Undergraduate colloquium

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**Why math is cool**

**December 3, PGH646, 4:30pm**

In this talk, we will explore some applications of mathematics. Weather forecasting is notoriously difficult, so we begin by taking a look at some of the reasons why this is the case. Next, we present a strategy to cloak an object in such a way that the object and the fact that something is being cloaked are hidden from external observers. Finally, we utilize one of the most powerful tools in mathematics --- Fourier series--- to examine why instruments sound the way they do.

As usual pizza will be served

<http://www.math.uh.edu/colloquium/undergraduate/>