



## Colloquium

September 18, 3:00 p.m. (8<sup>th</sup> Period)  
(in the Atrium)

**Speaker:** Tuyen Pham

**Title:** Faster computations for representatives of persistent  
homology

### Abstract

This talk will present an algorithm for computing representatives of persistent homology classes. This new algorithm is a framework that can be adapted to work with any persistent homology software and experimentally is 200x faster than the naive algorithm.