

MSRI–Evans Talk

Monday, 4:10–5:00pm, 60 Evans

Sept. 11 **Gunnar Carlson**, Stanford University

Algebraic Topology and High Dimensional Data

Algebraic Topology can be used as a tool for the qualitative analysis of high dimensional data. Applications require the development of techniques which permit the estimation of homology in situations where one is only given a finite set of points (a “point cloud”) sampled from an underlying space. We will discuss these methods and describe at least one example, from natural image statistics.

Refreshments at a nearby establishment immediately following the workshop!

Further information and links to the MSRI program and workshop web pages are available at:
<http://www.msri.org>