E0 244 Jan - Apr 2018

Computational Geometry and Topology

Home

Announcement

Lectures

Here is a list of topics that will be covered in this course:

* Convex Hull, Delaunay Triangulation, Geometric Data Structures

* Complexes - Simplicial, Cell, Vietoris-Rips, Cech
* Homology, Persistence homology
* Reeb graph and Applications

* Introduction to Geometric Approximation Algorithms
* Geometric Approximation Algorithms : LP-based techniques
* Geometric Approximation Algorithms : Local Search technique

Time and Place

Mon, Wed: 2-3:30pm, CSA 252

Instructors:

- **Vijay Natarajan and Sathish Govindarajan**

TAs: