Final Project Proposal

**Topic**: An Illustrative Visualization Framework for 3D Vector Fields

**Description**: A visualization framework that combines the advantages of clustering methods and illustrative rendering techniques to generate a concise and informative depiction of complex flow structures.

**Name**: Michael Tran

**Reference Paper**: <http://vis.cs.ucdavis.edu/papers/pg2011paper.pdf>

**Timeline and Milestones**

Week 1 (Nov. 4 – Nov 10)

* Go over entire paper in detail
* Load Test Data

Week 2 (Nov 11 – Nov 17)

* Implement Entropy-based Seeding

Week 3 (Nov 18 – Nov 24) (Thanksgiving)

* Implement Streamline Clustering

Week 4 (Nov 25 – Dec 1)

* Implement Streamtape Generation
* Prepare presentations

Week 5 (Dec 2 – Dec 6/8)

* Finish up development and write report