Jake Orben

Scotty Boutin

Bioinformatics

Project 11 (combined with Project 5) Proposal

**Dissimilarity matrix computation on GPUs**

Using modern GPUs, certain numerical computations can be run much more rapidly. There are several reasons for this, one being the rapid rise in shader cores in AMD chips, or CUDA cores in nVidia chips. Such chips can have thousands of cores computing data in parallel. Scotty and I will be using these cores to visualize dissimilarities