Subject: Re: QHULL/VORONOI question
Posted by Zarathustra on Fri, 18 Jul 2008 17:53:02 GMT
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Does anyone have any suggestions? Thanks!

On Jul 15, 2:49 pm, Zarathustra <prasa...@gmail.com> wrote:
> I have 3D data (particle positions) and i'm trying to obtain voronoi
> polyhedra using QHULL. I need to calculate
> cell volumes and mean voronoi volume of the system. However, the
> output of voronoi using QHULL is very confusing (specifically, the
> connectivity list). I understand the array which lists the vertices.
> However, the connectivity list a
> simple 1-D array. I have no way of telling which vertices constitute a
> specific voronoi cell. In MATLAB the output of qhull is slightly more
> clear where the connectivity list is a 4 or 5 x n array which lists
> all the vertices making up
> a voronoi cell, only it unfortunately includes unbounded points. So my
> question is, am I interpreting the results of QHULL in IDL wrong? Is
> there a way for me to match the connectivity list with the vertices
> QHULL gives
> me in order to calculate a cell volume? Thanks for any input/advice!