Subject: Re: 4D visualization
Posted by David Fanning on Mon, 02 Oct 2006 17:23:20 GMT

Leslie Welser writes:

> I need to visualize a parameter space that has 4 variables. Example: I
> have vectors a, b, c, d all of the same size. For a given triplicate
> (a[0], b[0], c[0]), the matching value is d[0]. I thought about using
> a modified ternary style plot (a triangle with a,b,and c on the axes)
> and then plotting the 'd' values in different colors, but this appears
> to be difficult with IDL. I was wondering if anyone else has an easier
> way to do this.

A 3D scatterplot would seem to be one easy way to do this:

   http://www.dfanning.com/tips/scatter3d.html

Cheers,

David
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Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")