Subject: volume slicing
Posted by Herb Mullens on Mon, 18 Jun 2001 21:24:24 GMT
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I have only been working with IDL for a few weeks and have run into a problem I could use some help on. We are trying to get different cross sections from a volume, and would like to be able to specify our slicing plane with Miller indices. I was wondering if there is a function similar to extract_slice that we could use to do this, or if anyone knows where I could find some code that would convert our input into the proper form and call extract_slice internally.

Thank You,

Herb Mullens
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Subject: Re: volume slicing
Posted by Jaco van Gorkom on Fri, 29 Jun 2001 13:39:18 GMT
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Herb Mullens wrote:
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> sections from a volume, and would like to be able to specify our slicing
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> call extract_slice internally.

What I vaguely remember from a solid state physics course long ago is that the Miller indices of a plane, for all but non-cubic lattices, are just vector coefficients of the normal to the plane. So couldn't the Miller indices be input directly into the PlaneNormal argument of EXTRACT_SLICE? I haven't tried, but it would seem that the other input needed is Xvec, indicating something like the X direction of the plane grid, I think.

I'm no expert at all, but the thread seemed so silent...
Jaco

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