
Subject: Re: volume slicing

Posted by [Jaco van Gorkom](#) on Fri, 29 Jun 2001 13:39:18 GMT

[View Forum Message](#) <> [Reply to Message](#)

Herb Mullens wrote:

- > ... 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.

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

Jaco van Gorkom gorkom@rijnh.nl
FOM-Instituut voor Plasmafysica "Rijnhuizen", The Netherlands
