Subject: using VOXEL_PROJ to obtain "thick slice"
Posted by edwardg on Thu, 30 Oct 2003 01:08:38 GMT
View Forum Message <> Reply to Message

Hi all,

I spent the last few hours futzing around with VOXEL_PROJ, and have finally figured out how to get it to return a maximum intensity projection of my data for an oblique view (specified in terms of the transformation matrix !P.T). Looking at the rather paltry documentation for VOXEL_PROJ, i noticed that the default is for the function to perform "average intensity projection" when both the MAXIMUM_INTENSITY and RGBO keywords are not set. In conjunction with the CUTTING_PLANE keyword, I was thinking this may be useful for obtaining a thick slice from an image volume (one in which a single voxel in the slice may encompass several voxels in the source dataset). As opposed to the slice obtained by interpolating using the coordinates of the desired slice, in which you obtain a trilinear interpolate of the intensities of the voxels bounding the coordinate, rather than an average of all the voxels bounded by the slice voxel.

I was curious if anyone has tried this, or if i'm even interpreting the operation of VOXEL_PROJ correctly. Thanks in advance for any advice you may have,

Ted
graves@reyes.stanford.edu