Subject: Re: using VOXEL_PROJ to obtain "thick slice"
Posted by Paul Sorenson on Mon, 03 Nov 2003 00:00:56 GMT
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Another thought: The averaging in an "average intensity projection" happens *after* CUTTING_PLANEs do their thing. It sounds like you might have been thinking the reverse. Perhaps you want to extract a plane (a la SLICER) from a SMOOTHed volume.

-Paul Sorenson

> "Edward Graves" <edwardg@OCF.Berkeley.EDU> wrote in message
> news:bnpoam$17ef$1@agate.berkeley.edu...
>> 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,
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