Subject: Re: voxel_proj and seg fault
Posted by Jacques Basson on Wed, 27 Feb 2002 15:22:17 GMT
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David Fanning wrote:
> Jacques Basson (jfb37@removeme.cam.ac.uk) writes:
>
>
>> I seem to be getting segmentation faults when using the interpolate
>> keyword to voxel_proj (strangely enough, removing the rotations gets rid
>> of the segfault, but then that's not exactly useful). It is repeatable
>> on several machines running linux or solaris. xvolume works fine, but is
>> not configurable enough (automating translations / getting a contour
>> plot instead of an image out of the thing...).
>>
>> Does anyone know of a suitable workaround, apart from not using the
>> interpolate keyword - it's nice to have smooth-looking final plots :)
>>
>
> The code you provided runs on my Windows machine,
> but I get a floating underflow warning and the
> result contains all zeros. Are you sure the code
> is doing what you *think* it is doing?
>
> Cheers,
>
> David

When I run it without the /interpolate, I get the proper result (using
my data rather than the data generated in the provided code - so I know
more or less what it is supposed to look like). Running the code
provided without interpolate and doing "tvscl, result, true=3" provides
a cube rotated appropriately. And result is definitely not all zeros.

.....
IDL> result = voxel_proj(vol, rgbo)
IDL> help, result
RESULT   BYTE   = Array[640, 512, 3]
IDL> help, max(result)
<Expression>   BYTE   = 255
IDL> help, min(result)
<Expression>   BYTE   =   0
IDL> print, moment(result)
% Compiled module: MOMENT.
      246.125   2173.24   -5.12102   24.0455

Cheers,
Jacques