Subject: Re: voxel_proj and seg fault
Posted by Jeff Guerber on Wed, 27 Feb 2002 20:11:08 GMT
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Seems to run OK on { hp_pa hp-ux unix hp-ux 5.5 Aug 28 2001 32 64}.
"result" is all 0 or 255, with all 3 planes identical. When displayed
with tv they appear to be slightly skewed blocks, all white except for
black in the upper left and lower right corners. No underflow messages.

Jeff Guerber

On Wed, 27 Feb 2002, Jacques Basson wrote:

> Hi all
>
> 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 :)
>
> Cheers,
> Jacques
>
> ------------------------------------------------------------
> IDL> print, !version
> { x86 linux unix linux 5.5a Feb 7 2002 32 32}
> IDL> n = 192
> IDL> vol = randomu(1, n+6, n+6, n+6)
> IDL> for i=0,10 do vol = smooth(vol, 3)
> IDL> vol = bytscl(vol(3:n+2, 3:n+2, 3:n+2))
> IDL> !x.s = [0.,1.] / (n-1)
> IDL> !y.s = [0.,1.] / (n-1)
> IDL> !z.s = [0.,1.] / (n-1)
> IDL> t3d, /reset, translate=[-0.5,-0.5,-0.5]
> % Compiled module: T3D.
> IDL> t3d, rotate=[60,0,0]
> IDL> t3d, rotate=[0,0,-80]
> IDL> t3d, translate=[0.5,0.5,0.5]
> IDL> rgbo = bindgen(256)#[1,1,1,1]
> IDL> result = voxel_proj(vol, rgbo, /interpolate)
> Segmentation fault
> ------------------------------------------------------------