
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 "tvscf, 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
