
Subject: Re: Slicer

Posted by [agrap](#)s on Mon, 17 Feb 1997 08:00:00 GMT

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Christian Ammon <hnok159@mail.uni-wuerzburg.de> writes:

- > What I want to do is loading about 60 2d-images (tiff-formated or gif)
- > into IDL and combining them to a three-dimensional array. After this I
- > want to get some slices out of it. I already used the slicer.
- > Now I got some questions:

- > 1.) How can I transfer the images to IDL and combine them to a 3d-array?
- > 2.) Is it possible to take slices depart 90 degree, e.g. 45 degree?

- > Any help would be aprecedated

Christian,

If you figure it out, please post something here about it!

Creating (rendering) a true 3D volume in IDL from a series of 2D images is non-trivial. (Especially if the data for each of the images is sparse.)

Like you I didn't have any problem with using Slicer on the series of 2D images, but I gave up trying to render a volume from it.

You can see my slicer work at the following URL, but it's not a volume. If anyone else knows how.. feel free to give advice...

<http://quake.stanford.edu/~amara/mdi/powspec3d.html>

(Pretty soon, I need to learn how to "fly through" 3D data, in addition to making slices at any angle from 3D volumes.)

IDL may not be the best tool for working with 3D data, IBM's Data Explorer or AVS might be better.

viel Glueck!

Amara

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