Subject: Re: Three dimensional Polyfillv
Posted by twhaw on Wed, 27 Feb 2008 01:58:28 GMT
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Dear all,

Thanks for your kind replies.

The reason why I can't use the 2D polyfillv is that the points are not sampled as 2D slices in the rectangular coordinate system. Instead, it is instead sampled in the spherical coordinate system (every 5 deg longitudinally) and converted back to rectangular coordinates using CV_COORD. I am sampling the blobs in the spherical coordinate system so that I can get the same number of sample points regardless of the size of the blobs (some are slightly small, some are slightly bigger).

I have checked out IDLanROI. It seems that we can defined a 3D ROI by loading a (3, n) array. Maybe I can throw in my (3, n) array of sample points and check whether a point in the 3D space is inside the ROI. In this way, I might be able to get the points in the volume. But then again, this method might be quite slow.

Many thanks again for your advices.

Cheers.

On Feb 27, 3:35 am, Mike <Michael.Mill...@gmail.com> wrote:
> What if you took your (3,n) values and, for each slice in your data
> volume, find the subset of the n points that fall on (or near enough
> to be considered "on") that slice? Then you could use polyfillv on
> that slice. I haven't done this with quite the data you have, but
> that is the method that I use to create 3D ROIs out of multiple 2D
> ROIs.
>
> Mike