
Subject: Re: int of pixel and surrounding pixels
Posted by [David Fanning](#) on Tue, 25 Sep 2007 17:32:43 GMT
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rpertaub@gmail.com writes:

> I am trying to find the intensity of a pixel and its surrounding
> pixel.
>
> I have a list of x and y coordinates as my points of interest. I want
> to find the intensity at that pixel and the ones surrounding it and
> obtain a mean of those 9 pixels. I want to do this for all my
> coordinates, so I will be using a for loop to go from one coordinate
> to another. Is there a quick way of reading the pixel int of adjacent
> pixels so my for loop is not too slow?

You want something like this:

```
mean = Mean(image, 3)
values = mean[x, y]
```

Where X and Y are vectors of your coordinates.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: int of pixel and surrounding pixels
Posted by [David Fanning](#) on Tue, 25 Sep 2007 17:34:42 GMT
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Subject: Re: int of pixel and surrounding pixels

Posted by [David Fanning](#) on Tue, 25 Sep 2007 17:36:21 GMT

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Whoops! Should be this:

```
mean = Smooth(image,3)
values = mean[x,y]
```

Instead of this:

```
mean = Mean(image, 3)
values = mean[x, y]
```

Cheers,

David

--

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