
Subject: pixel value to x and y position

Posted by [marknolan2006](#) on Thu, 30 Jul 2009 09:27:30 GMT

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hi everyone!

can anyone check if this is correct way to convert pixel value to x and y position (iam trying to write a simple tracking code in IDL):

```
y = pixel_value/width_picture  
x = pixel_value mod width_picture
```

i really have time on the x,it gives a wrong result. i think i got the y coordinate correctly.

thanks and GOD bless!

mark

Subject: Re: pixel value to x and y position

Posted by [pgrigis](#) on Fri, 31 Jul 2009 14:30:08 GMT

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On Jul 31, 3:45 am, mark nolan <marknolan2...@gmail.com> wrote:

> On Jul 31, 9:13 am, mark nolan <marknolan2...@gmail.com> wrote:

>

>

>

>> On Jul 30, 11:53 pm, Gianguido <gianguido.cia...@gmail.com> wrote:

>

>>> On Jul 30, 4:27 am, mark nolan <marknolan2...@gmail.com> wrote:

>

>>>> hi everyone!

>

>>>> can anyone check if this is correct way to convert pixel value to x

>>>> and y position (iam trying

>>>> to write a simple tracking code in IDL):

>

>>>> y = pixel_value/width_picture

>>>> x = pixel_value mod width_picture

>

>>>> i really have time on the x,it gives a wrong result. i think i got the

>>>> y coordinate correctly.

>

>>>> thanks and GOD bless!

>

```
>>>> mark
>
>>> is array_indices what you are looking for? how about using these free
>>> particle tracking procedures:http://www.physics.emory.edu/~weeks/idl/
>
>>> G
>
>> hey, ill try that, actually i dnt know that function, this would be my
>> first
>> time (iam new at idl).
>
>> thanks alot G and David!
>
>> GOD bless!
>> mark- Hide quoted text -
>
>> - Show quoted text -
>
> i dnt know how you do it guys but your just brilliant! the
> array_indices work!! whooh!! thanks alot!
>
> GOD bless and continue to be a blessing!
>
> Cheers,
> mark
```

Just not to let any wrong impression by readers of this thread, the mod and / method does indeed work and delivers the same result as array_indices!

```
a=bytarr(123,777);create test
array
ind=43527L ;create test index
```

```
print,ind mod 123,ind / 123
      108      353
print,array_indices(a,ind)
      108      353
```

Ciao,
Paolo

Subject: Re: pixel value to x and y position
Posted by [David Fanning](#) on Fri, 31 Jul 2009 15:00:49 GMT
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Paolo writes:

```
> Just not to let any wrong impression by readers
> of this thread, the mod and / method does indeed
> work and delivers the same result as array_indices!
>
> a=bytarr(123,777);create test
> array
> ind=43527L      ;create test index
>
> print,ind mod 123,ind / 123
>      108      353
> print,array_indices(a,ind)
>      108      353
```

Well, as long as we are cautioning readers, we should probably point out that none of these (successful) methods is probably needed. One dimensional indices work just as well, and 99% of the time there is absolutely no need to convert them to 2D indices.

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.")
