
Subject: Re: How to find the pixel position
Posted by [d.poreh](#) on Thu, 29 Apr 2010 07:06:46 GMT
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On Apr 28, 11:40 pm, sid <gunvicsi...@gmail.com> wrote:
> On Apr 27, 11:24 am, Aram Panasenco <panasenco...@gmail.com> wrote:
>
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>
>
>> sid wrote:
>>> Hi,
>>> My data is in fits format. The is of 1024 * 1024 array. The counts
>>> vary from 5000 to 6000 and I know that 5500 counts is there in my
>>> data, but I need to know at which pixel this 5500 counts occur
>>> exactly, without displaying the image, because I need to do this for
>>> several files. So each time I can't display and check for the pixel
>>> position. please helpout in this regard.
>>> regards
>>> sid
>
>> I think what you are saying (correct me if I am wrong) is that you have
>> a 1024x1024 array, and you want to find where the pixel values are equal
>> to 5500.
>
>> You can use the WHERE function:
>
>> fitsData = readfits('filename.fits')
>> countValue = 5500
>
>> findIndices = where(fitsData eq countValue)
>
>> Note that the WHERE function returns one-dimensional subscripts. You can
>> convert them back to two-dimensional subscripts (if you need to) using
>> the ARRAY_INDICES function:
>
>> rectIndices = array_indices([1024,1024],findIndices,/dimensions)
>
>> Cheers
>> ~Aram Panasenco
>
> Hi,
> I did like this
> raw=readfits('filename.fits')
> b=where(raw eq 2832.90)
> I know that it occurs at raw(5,5)
> so now if I do

> print,b
> it should print 5, since where function returns one dimensional
> subscripts.(am I right, correct me if it is wrong)
> but instead it is printing -1. Please help me out.
> regards
> sid

Look at the data type: float double integer?
