
Subject: Store differents size of .fits into one single array
Posted by [a.clovirola](#) on Wed, 16 Oct 2013 17:21:57 GMT
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Hello everyone,

My question is about dealing with multiple size of image before any operation.
I have several .fits file of different size : 1050x800, 525x400 mainly.
i use file_search to list the different names and create an empty array
(1050,800,n-elements(filelist)).
My problem is with the smaller array, he refuses to write it due to the different size.
Is there a way to trick IDL to write 0 instead of nothing for the smaller images ?

Thank your for your time :)

Subject: Re: Store differents size of .fits into one single array
Posted by [Fabzi](#) on Wed, 16 Oct 2013 18:09:08 GMT
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On 10/16/2013 07:21 PM, Alexander C. wrote:
> Is there a way to trick IDL to write 0 instead of nothing
> for the smaller images ?

Yes (arr[0:524,0:399]=smaller_array), but I am not sure if it is a good idea to so. Whatever operation you are going to do afterwards is going to be tiresome with all those zeros.

If you have IDL8+ you could use a list to store your images. If not, you could use a pointer array (PTRARR)

Subject: Re: Store differents size of .fits into one single array
Posted by [a.clovirola](#) on Thu, 17 Oct 2013 12:19:14 GMT
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> If you have IDL8+ you could use a list to store your images. If not, you
>
> could use a pointer array (PTRARR)

Thanks for the list tip, i used it and it works, i have now a liste containing my arrays :)

```
fich=file_search(dir+'*'+format)
image=list()
```

```
for i=0,n_elements(fich)-1 do image.add,readfits(file[i])
```

if someone is interested :)
