
Subject: adding subset image into larger one

Posted by [Suguru Amakubo](#) on Tue, 23 Mar 2010 15:00:01 GMT

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Hi I am currently trying to add a subset of image (30x30) into a larger image (400x400) in 2 different sinarios:

1) adding a 30x30 subset taken from a 400x400 image and adding it to another 400x400 image.

and

2) adding a 30x30 subset image into a blank 400x400 image

I have encountered problems in both cases. for case 1) I could not find anywhere the syntax of adding the subset into the correct position. I used:

```
new_image = new_image[tr_point(0,a):tr_point(0,a)+L-1,
tr_point(1,a):tr_point(1,a)+L-1] + temp_image
```

where tr_point is an array that contains the coordinates of the subset to be added and L = 30, temp_image is the subset. But seems like the new image does not change.

for 2) aside from the problem I have above when I run the code above with the blank image IDL seems to 'crop' the blank 400x400 image into a 30x30 image...

Would anybody have a solution to this?

Thank you in advance

Suguru

Subject: Re: adding subset image into larger one

Posted by [Suguru Amakubo](#) on Wed, 24 Mar 2010 02:25:37 GMT

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I guess I am missing something else where in that case like last time.

Thank you all for your help, will give it a fresh eye tomorrow morning. :)

Subject: Re: adding subset image into larger one

Posted by [Suguru Amakubo](#) on Wed, 24 Mar 2010 12:35:26 GMT

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Sorry just a small question regarding the matter. What do you all do when you run out of memory? After solving the issue of new_image I got a runtime error:

Array subscript for POPULATION must have same size as source expression.

I use windows 7, idl 6.4 and have 4 GB of RAM so I thought it will be ok but after reading this:

http://www.dfanning.com/misc_tips/submemory.html

I didn't quite know how to deal with it.

I am really sorry for posting repeatedly on a different issue I know I shouldn't really do this but did not quite know where else to post.

Thank you in advance for your help.

Subject: Re: adding subset image into larger one

Posted by [David Fanning](#) on Wed, 24 Mar 2010 14:42:32 GMT

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Suguru Amakubo writes:

- > Sorry just a small question regarding the matter. What do you all do
- > when you run out of memory? After solving the issue of new_image I got
- > a runtime error:
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- > Array subscript for POPULATION must have same size as source
- > expression.
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- > I use windows 7, idl 6.4 and have 4 GB of RAM so I thought it will be
- > ok but after reading this:
- >
- > http://www.dfanning.com/misc_tips/submemory.html
- >
- > I didn't quite know how to deal with it.

I doubt very much you have run out of memory. I think you just have a problem with your subscripts. Print them out, along with the size of the images you are working with so you can see what the problem is. Remember that IDL uses 0 based array subscripting.

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: adding subset image into larger one

Posted by [Suguru Amakubo](#) on Thu, 25 Mar 2010 00:06:26 GMT

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Thank you very much. You are absolutely right I was caught out on the
0 base subscript (forgot to put -1 on the population array).

Thank you for your help. :)
