
Subject: how to deal with problem:Loop limit expression too large for loop variable type.

Posted by [Magic.Zhou](#) on Fri, 04 Apr 2008 12:08:00 GMT

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```
i just code a for function
for i=0, ArraySize do begin
if (Seg_Grey_Image[i] le 255) and (Seg_Grey_Image[i] ge 240) then
begin
Seg_Grey_Image[i]=255
endif
endfor
however, the error is :Loop limit expression too large for loop
variable type.
it seems this 'ArraySize' is too big. how can I deal with this
problem?
Thank you!
```

Subject: Re: how to deal with problem:Loop limit expression too large for loop variable type.

Posted by [armand.jongen](#) on Sat, 05 Apr 2008 08:24:51 GMT

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On 5 apr, 08:13, Magic.Z...@gmail.com wrote:

> OK, I get that, seem I always some details in programming. thank you!

But you better use the WHERE function for problems like these:

```
locs = WHERE((Seg_Grey_Image LE 255) AND (Seg_Grey_Image GE 240))
Seg_Grey_Image[locs]=255
```

Do not forget to also look at the minimum and maximum operator < and > , or the memory efficient variants <= and >= . They might give you more ideas to solve your problems.

Cheers,

-Armand

Subject: Re: how to deal with problem:Loop limit expression too large for loop variable type.

Posted by [David Fanning](#) on Sat, 05 Apr 2008 13:07:31 GMT

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armand.jongen@gmail.com writes:

> On 5 apr, 08:13, Magic.Z...@gmail.com wrote:
>> OK, I get that, seem I always some details in programming. thank you!
>
> But you better use the WHERE function for problems like these:
>
> locs = WHERE((Seg_Grey_Image LE 255) AND (Seg_Grey_Image GE 240))
> Seg_Grey_Image[locs]=255
>
> Do not forget to also look at the minimum and maximum operator < and
>> , or the memory efficient variants <= and >= . They might give you
> more ideas to solve your problems.

And as long as you are paying all this money for the
self-improvement course, have a look at compile options
defint32 and strictarr. Those won't hurt you any, either. :-)

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: how to deal with problem:Loop limit expression too large for loop
variable type.

Posted by [Magic.Zhou](#) on Sun, 06 Apr 2008 12:19:01 GMT

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Thank you very much!
