
Subject: Behaviour of REFORM() changed in IDL 5.5?
Posted by [Georg Wiora](#) on Fri, 08 Feb 2002 15:46:00 GMT
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Hi everybody!

I just found out that the behaviour of the REFORM() function seems to be changed in IDL 5.5. With IDL 5.4 I was able to reform a one dimensional array to a two dimensional with a trailing dimension of size one. With idl 5.5 these dimension is removed automaticly. But from the documentation the automatic reduction of dimensions should only happen if no dimensions are specified. This change is not documented in the (windows) help file.

Here is my example:

```
array = INDGEN(100)
image = REFORM(100,1)
```

In IDL 5.4 the result was: image[100,1]

In IDL 5.5 the result is: image[100]

Is there anything known about a bug fix for that?

Thanks,

Georg

Subject: Re: Behaviour of REFORM() changed in IDL 5.5?
Posted by [Robert Stockwell](#) on Mon, 11 Feb 2002 13:29:05 GMT
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Georg Wiora wrote:

```
> Am Fri, 08 Feb 2002 11:15:02 -0700, hat Robert Stockwell
> <rgs1967@hotmail.com> geschrieben:
>
>> Georg Wiora wrote:
>>
>>> Here is my example:
>>> array = INDGEN(100)
>>> image = REFORM(100,1)
>>>
> Sorry for the Typo :-\
> It's obviously
```

```
> image = REFORM(array,100,1)
```

Yes, I noticed that you must have meant the above :)

```
>> Hi Georg,  
>>  
>> What os are you? A Windows one? Unfortunately my win2000  
>>  
> I have a WIN 2000 system.  
>  
> When I try it on the command line, it works fine, but not in  
> my application. Probably it is just some instability problem.
```

WOW, that would indeed be a serious bug. Can you post the offending code (shortened down as much as you can)?

I did a quick test, and reform seems to work fine for me when its in a functionm (IDL5.5 linux). Is there perhaps another operation you perform that implicitly causes "IMAGE" to get rid of the single dimension? For instance, in the example below, multiplying image by 2 causes the extra dimension to be dropped.

Cheers,
bob

```
function test_reform  
  
array = INDGEN(100)  
image = REFORM(array,100,1)  
help,image  
  
newimage = image*2  
help,newimage  
  
return,image  
  
end  
  
; main level code  
  
r = test_reform()  
help,r  
  
end
```

Results:

```
IMAGE      INT      = Array[100, 1]
NEWIMAGE    INT      = Array[100]
R           INT      = Array[100, 1]
```

Subject: Re: Behaviour of REFORM() changed in IDL 5.5?
Posted by [Georg Wiora](#) on Tue, 12 Feb 2002 08:32:14 GMT
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Am Mon, 11 Feb 2002 06:29:05 -0700, hat Robert Stockwell
<rgs1967@hotmail.com> geschrieben:
> when its in a functionm (IDL5.5 linux). Is there perhaps
> another operation you perform that implicitly
> causes "IMAGE" to get rid of the single dimension?
> For instance, in the example below, multiplying image by 2
> causes the extra dimension to be dropped.
Thanks Bob!
That was really a good hint. I did a REVERSE() on the index
with size one. That made it vanish. But still strange, that
it worked before...
