Subject: Re: Array concatenations limit?
Posted by R. Bauer on Tue, 17 Jun 1997 07:00:00 GMT
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Philippe Peeters wrote:
>
> Hi all,
>
> I would like to define a constant vector of 299 elements with something
> like
>
> g=[1,2,3,...] ; 299 floats values
>
> during execution, IDL complains with the error message
> 0.006,0.006,0.006,0.005,0.005,0.005,0.005,0.004,0.004,0.004, 0.004,$
> ^
> % Program code area full.
>
> The manual says that there is a limit to the number of elements in array
> concatenation. It should be at least 25 but the maximum is dependent of
> the .SIZE defined. I have tried to increase the code and data size with
> no luck.
> Eventually I have cut the initial vector into pieces like this
> g=[1,2,3,...]
> g=[g,4,5,6,...]
> g=[g,7,5,6,...]
> etc...
>
> This is really ugly. Is there any workaround to this stupid limit?

You are not alone whith this problem.

Here is the workaround!

You can open a file and write strings from an idlprocedure or define by
hand like:

;include batch file for program: xyz.pro
g=fltarr(299)
g(0)=1
g(1)=2

and so on.

This file is like an idl include file and could be included by @

@ must be on the first column.

That's all

regards

R.Bauer

Institut fuer Stratosphaerische Chemie (ICG-1)
Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de

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Posted by davidf on Tue, 17 Jun 1997 07:00:00 GMT
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Upgrade to IDL 5.0. :-)

Supposedly all the limits of this sort have been eliminated
in the new version.

Cheers,

David
--
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Customizable IDL Programming Courses
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Coyote's Guide to IDL Programming: http://www.dfanning.com
IDL 5 Reports: http://www.dfanning.com/documents/anomaly5.html

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Subject: Re: Array concatenations limit?
Posted by rivers on Wed, 18 Jun 1997 07:00:00 GMT
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> From the email I have received so far, it appears that there is no way
> to define a constant vector or array of arbitrary size like you would do
> in fortran or C unless you make use of tricks like the one described
> above. It is still not satisfactory.

A minor point, many FORTRAN compilers have a limit on the number of
continuation lines, so you have a similar problem to IDL.

> Does this limitation still exist in IDL 5? (I am using IDL 4.0.1)
Yes, I just tested it and I got an error if I tried to use the array
concatentation operator on more than 90 array elements.

_____

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--
Philippe Peeters
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