Subject: Re: array referencing problem ...
Posted by David Fanning on Wed, 09 Mar 2005 00:02:40 GMT

Andreas Brunn writes:

> I have a problem referencing a three dimensional array with a two

> dimensional array and copy this in each channel of the three dimensional.
> But there must be a more elegant and memory saving method doing this, so i
> tried the following and ran in an in my eyes a little bit strange behaviour:
>
> ENVI> a=findgen(5,5,5)
> ENVI> ma=where(a le 10)
> ENVI> print, (a(*,*,1))(ma)
> 25.0000 26.0000 27.0000 28.0000 29.0000 30.0000 31.0000 32.0000 33.0000
> 34.0000 35.0000
> thats what I hoped and expected as a result
>
> but if I try the following:
> ENVI> (a(*,*,1))(ma) = 2
> % Expression must be named variable in this context: <FLOAT Array[5, 5]>.
> % Execution halted at: $MAIN$
>
> I only get that error message, where is my mistake ?

Too many parentheses. :-)

Here is an article that might help:

   http://www.dfanning.com/code_tips/tempvar.html

> Is there a way applying this mask on each of the channels without copying
> each channel in a two dimensional array ?

I would have a look at the Dimensional Juggling Tutorial:

   http://www.dfanning.com/tips/rebin_magic.html

Cheers,

David
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