Subject: idl: turn string value into variable name part2
Posted by zimttee.xperia on Tue, 24 Sep 2013 08:10:04 GMT

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Hi,

i'm new to IDL and have a problem, similar to that discussed here:
https://groups.google.com/forum/#!topic/comp.lang.idl-pvwave /WZ2RAMWK-0o
But i could not solve my problem and the topic is very old, so i thought it's better to start a new one?!

I have arrays with 1032 columns and (usually, but the number of rows can vary, depending on my number of scans i measure) 720 rows, which I want to cut into (1032,80)-arrays and name the new arrays as "data1","data2",..."datan". I need them as seperated variables for a second procedure.
I've tried some possibilities yesterdays and searched with google, but i was not able to solve that problem. Maybe i was looking for the wrong keywords, i don't know... I also tried that "execute" they talked about in the discussion i've mentioned before. I copied the code and changed the variables name, but i couldn't make it work...

I hope someone can help me :-)

Ramona

Subject: Re: idl: turn string value into variable name part2
Posted by Moritz Fischer on Tue, 24 Sep 2013 09:39:55 GMT

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Hi,
I think you are looking for "scope_varfetch". Something like this:

FOR i=0,n-1 DO (scope_varfetch('data'+strtrim(i,2),/ENTER)) =
array[*,i*80 : (i+1)*80 - 1]

But I recommend you try stacking the data in a third dimension:

array = reform(array, 1032, 80, n)

It's less error-prone, and you may be able to avoid loops.
Do it the IDL way! (http://www.idlcoyote.com/idl_way/idl_way.php)

cheers

Am 24.09.2013 10:10, schrieb zimttee.xperia@googlemail.com:
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>

Subject: Re: idl: turn string value into variable name part2
Posted by zimttee.xperia on Tue, 24 Sep 2013 12:13:44 GMT
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Thank you, this helped a lot!
I already tried the scope_varfetch command, bu i think I used it in a wrong way...
Now it works! Thanks thanks thanks :-)