Subject: Re: help & help,/structure

Posted by Anonymous on Wed, 06 Apr 2011 00:14:44 GMT

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Originally posted by: Demitri

Hi,

I've just been bitten by this new "feature". I have a script that calls
'help', but now with 8.0 it dumps the full structure to the screen.
This output is longer than the screen so the effective result is that
my script stops until I manually hit a spacebar to continue. Truly
annoying when I had to do this about 200 times today.

Can I turn this off? Barring this, is there a way I can code this so
that it will work as before if I run IDL 7 or 8?

Cheers,
Demitri
New York University

(Wow, I managed to write that in a fairly civilized manner!)

On 2010-08-13 17:56:53 -0400, Chris Torrence <gorthmog@gmail.com> said:

> On Aug 13, 2:56ï¿½pm, mgalloy <mgal...@gmail.com> wrote:
>> On 8/13/10 2:37 PM, Heinz Stege wrote:
>>
>>
>>
>>
>>
>>> On Fri, 13 Aug 2010 11:59:58 -0700 (PDT), wlandsman wrote:
>>
>>>> A documented new feature of ï¿½HELP,/STRUCTURE in IDL 8.0 has caused m
> e
>>>> a minor annoyance: ï¿½ According to the online help:
>>
>>>> ï¿½ ï¿½ ï¿½"If a single argument is provided to HELP, and it is a stru
> cture,
>>>> then HELP will automatically display the structure information without
>>>> having to set the /STRUCTURE keyword."
>>
>>>> ï¿½ ï¿½ But I think this means that I can no longer use HELP to determ
> ine

>>>> the number of elements in a structure array. ï¿½ ï¿½ ï¿½In IDL 7.1 I c
> ould
>>>> write
>>
>>>> IDL> ï¿½print,!version
>>>> { x86 linux unix linux 7.1.1 Aug 19 2009 ï¿½ ï¿½ ï¿½32 ï¿½ ï¿½
ï¿½64}
>>>> IDL> ï¿½help,tab
>>>> TAB ï¿½ ï¿½ ï¿½ ï¿½ ï¿½ ï¿½ STRUCT ï¿½ ï¿½= ->
ï¿½<Anonymous> ï¿½Arr
> ay[58]
>>
>>>> to determine that it has 58 elements. ï¿½ But in IDL 8.0, I get
>>>> information about the structure but no information about the number of
>>>> elements it contains... ï¿½ ï¿½I have to print,N_Elements(tab) . ï¿½ -
> -Wayne
>>
>>>> IDL> ï¿½print,!version
>>>> { x86 linux unix linux 8.0 Jun 18 2010 ï¿½ ï¿½ ï¿½32 ï¿½ ï¿½
ï¿½64}
>>
>>>> IDL> ï¿½help,tab
>>>> ** Structure<a065d74>, 21 tags, length=168, data length=162, refs
> =1:
>>>> ï¿½ ï¿½OBS_ID ï¿½ ï¿½ ï¿½ ï¿½ ï¿½STRING ï¿½
ï¿½'00031688021 '
>>>> ï¿½ ï¿½EXTNAME ï¿½ ï¿½ ï¿½ ï¿½ STRING ï¿½
ï¿½'uu297081092I ï¿½ ï¿½'
>>>> ï¿½ ï¿½ASPCORR ï¿½ ï¿½ ï¿½ ï¿½ INT ï¿½ ï¿½
ï¿½ ï¿½ ï¿½ ï¿½ ï¿½0
>>>> ï¿½ ï¿½FILTER ï¿½ ï¿½ ï¿½ ï¿½ ï¿½STRING ï¿½
ï¿½'U ï¿½ ï¿½ ï¿½ '
>>>> ï¿½ ï¿½TSTART ï¿½ ï¿½ ï¿½ ï¿½ ï¿½DOUBLE ï¿½
ï¿½ ï¿½ 2.9708109e+08
>>
>>> I had that problem too, played a while arround, and found that
>>> help,names='tab' is doing the trick.
>>
>>> Shorter, but a little bit uggly: help,tab,''
>>
>>> help,tab,structures=0 unexspectedly does not work ï¿½;-)
>>
>>> Would really be nice, to have the dimension information within the
>>> header line of the help,tab output.
>>
>> Yes, it seems like /STRUCTURES should only automatically kick in is if
>> the only variable passed to HELP is a structure *and* only has a single
>> element. IDL 8.0.1?

>>
>> Mike
>> --www.michaelgalloy.com
>> Research Mathematician
>> Tech-X Corporation
>
> Mike is exactly correct. This was an oversight in IDL 8.0, and will be
> fixed in the next update. It will automatically do the /structure if
> there is only 1 element.
>
> -Chris
> ITTVIS