## Subject: Re: Feature request: printing very long arrays
Posted by Lajos Foldy on Tue, 09 Jun 2015 15:57:19 GMT

View Forum Message <> Reply to Message

On Tuesday, June 9, 2015 at 3:43:33 PM UTC+2, john.c...@gmail.com wrote:
> On Monday, June 8, 2015 at 8:48:47 AM UTC-4, Helder wrote:
>> Hi,
>> I don't know if this happens only to me, but sometimes while debugging I like to look at what's inside a variable. Most of the times I use the command:
>>
>> help, variable
>>
>> and sometimes
>>
>> print, variable
>>
>> However, sometimes I'm too eager to look at what's hidden under the name and I go directly for the print option. And if I'm so stupid to do that on array of say 4096 x 4096 elements... well it takes a while and the only way to stop this useless overflow of data is to kill the IDL process.
>>
>> Is there a chance we a print command that looks like this:
>>
>> IDL> print, veryBigVariable
>> [     0     1     ...  999998  999999]
>>
>> and
>> IDL> print, veryBigVariable, /fullPrint
>>      0     1     2     3     4     5     6     7     8     9    10    11    12    13    14    15
>>     16    17    18    19    20    21    22    23    24    25    26    27    28    29    30
>> 31    32
>>     33    34    35    36    37    38    39    40    41    42    43    44    45    46    47
>>     48    49    50    51    52    53    54    55    56    57    58    59    60    61    62
>> 63    64    65
>> ....
>>
>> well you got the point.
>>
>> Any chance of this showing up in the future?
>>
>> Cheers,
>> Helder
>
>
> +1 to this request, as I have made the same mistake too many times to count. I would guess there are backwards compatibility issues here though.
>
> John

You can write your own print procedure, something like:

```
pro myprint, x, fullprint=full
help, x
n=n_elements(x)
if n le 10 or keyword_set(full) then print, x $
else print, x[0:4], '...', x[n-5:n-1]
end
```

regards,
Lajos