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Subject: Re: Bug on IDL 5.0 (VMS 6.2) with `alog10()`  
Posted by [alpha](#) on Mon, 23 Jun 1997 07:00:00 GMT  
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"Gilles Ratel" <ratel@ccfm.ireq.ca> writes:

> Jack Saba <jsabaxxx@magus.stxqr.com> wrote in article

>> HSR Sys-Admin wrote:

>>>

>>> here is some dammed error, which costs us a day to find:

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I

>>> VMS 6.2 IDL 5.0:

>>> `print,alog10(0.0)`

>>> hui! no error?

>>> and:

>>> `print,alog10(0.0)*20`

>>> what? a nice integer? but at least now with an error!

>>> under D-Unix the error did not occur!

>>> under 4.01 VMS it is the same as above!

>>> be aware of your math-routines and `alog10`!

>> We don't have the final version up yet, but for IDL5 beta on HP-UX

>> 10.10,

>> IDL> `print,alog10(0.0)`

>> ---.0000

>> % Program caused arithmetic error: Floating overflow

> Here, with idl v5.0 and openVMS 6.2-1H3

> \$ idl

> IDL Version 5.0 (vms alpha). Research Systems, Inc.

> IDL> `print,alog10(0.0)`

> -1.70141e+38

> IDL> `print,alog10(double(0.0))`

> -1.7014118e+38

> % Program caused arithmetic error: Floating overflow

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II

> Also, if you have motif (DECWindows) look logical name `DECW$USER_DEFAULTS`

> example:

> \$ DEFINE DECW\$USER\_DEFAULTS DISK:[path]

> \$ idl

> IDL> `id = WIDGET_BASE()`

> IDL> exit

> \$ SHOW LOGICAL DECW\$USER\_DEFAULTS

> and logical name is : ".0."

> exercice: define a button with font, and verify `DECW$USER_DEFAULTS`: and the

> answer is?

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III

try to change the working directory with cd:

cd,"node::disk:[path]"

what? not possible... hmmm with dialog\_pickfile  
it is working... and hardline-programming in openr  
seems to work!

wiered bug in IDL 5.0 VMS!

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IV

VMS and NFS

mounted FS to an Unix-System:

on the unix-system with IDL 5.0:

openr,lun,file,/get\_lun

gives you the nice answer:

"file name too long"

file="/mountpoint/sd1/sd2/sd3/sd4/sd5/sd6/sd7/sd8/sd9"

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moral of the tale:

it it hard to work under VMS

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Panther in the Jungle  
-BELIEVE AND DECEIVE-  
http://www.ang-physik.uni-kiel.de/~hendrik  
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