Subject: Re: Bug on IDL 5.0 (VMS 6.2) with alog10()
Posted by Matt Phelps on Fri, 20 Jun 1997 07:00:00 GMT

Jack Saba wrote:
>
> HSR Sys-Admin wrote:
>>
(snip)
>>
>> 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

FYI, Solaris (2.5.1) with IDL 5.0 (final) seems to do the right thing:

IDL> print,alog10(0.0)
       -Inf
% Program caused arithmetic error: Floating divide by 0

--
Matt Phelps
System Administrator
Harvard - Smithsonian Center for Astrophysics
mphelps@cfa.harvard.edu
http://cfa-www.harvard.edu

Subject: Re: Bug on IDL 5.0 (VMS 6.2) with alog10()
Posted by Jack Saba on Fri, 20 Jun 1997 07:00:00 GMT

HSR Sys-Admin wrote:
>
> Hello,
>
> here is some dammed error, which costs us a day to find:
>
> 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!
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% Program caused arithmetic error: Floating overflow

Subject: Re: Bug on IDL 5.0 (VMS 6.2) with alog10()
Posted by Gilles Ratel on Sat, 21 Jun 1997 07:00:00 GMT
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Jack Saba <jsabaxxx@magus.stxqr.com> wrote in article
<33AA86A7.1A3D@magus.stxqr.com>...
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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

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_DEFAUTS: and the
answer is?

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:
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I

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II

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> exercice: define a button with font, and verify DECW$USER_DEFAUTS: and the
> answer is?

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!

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"

----

moral of the tale:

it it hard to work under VMS

--
Panther in the Jungle   __..--"'`\`--....____ _..,_
-BELIEVE AND DECEIVE-   _.-'   .-/"; `   ``<._  ``-+'~=.
http://www.ang-physik _.-' _..--.'_   \   `(^))
.uni-kiel.de/~hendrik ((..-'   (< _   ;_..__   ; `'