Subject: Re: Fatal Bug in CONTOUR
Posted by David Fanning on Mon, 08 Apr 2002 13:59:55 GMT
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Wolfgang.Dobler (Wolfgang.Dobler@kis.uni-freiburg.de) writes:

> Of course there is no point in contouring with all levels equal to
> NaNs. But I consider it a bad bug if my programs will hang terminally,
> just because I've fed them some bad data.

I had another encounter with this unjustified faith in
technology this weekend. My middle son put the baked-on,
cheese-encrusted bowls of my famous Broccoli Ziti Bake
in the dishwasher without any pre-soaking, etc. I wonder
if this is another sign the apocalypse is upon us. :-(

Cheers,

David
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Subject: Re: Fatal Bug in CONTOUR
Posted by Sebastian Moeller on Mon, 08 Apr 2002 17:45:20 GMT
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Wolfgang.Dobler@kis.uni-freiburg.de wrote:
> Did anybody encounter this before:
>
>   levs = alog(-2)*[1,2,3] & print, levs
>   contour, randomu(!pi,10,10),LEVELS=levs
>
> hangs terminally (i.e. I cannot interrupt it and need to kill the IDL
> session). Happens with 5.4 and 5.2 (at least).
>
> Of course there is no point in contouring with all levels equal to
> NaNs. But I consider it a bad bug if my programs will hang terminally,
> just because I've fed them some bad data.
>
>
> W o l f g a n g
>
Hi there,

it seems that V5.5 solves your problem. It gives a nice error message
and oes not hang, at least if the commands are given in the "command
line" of the IDE. Here is the error message:

IDL Version 5.5, Microsoft Windows (Win32 x86). (c) 2001, Research
Systems, Inc.

IDL> levs = alog(-2)*[1,2,3] & print, levs
        -NaN   -NaN   -NaN
% Program caused arithmetic error: Floating illegal operand

the contour command produces just an empty polot window (with axis), the
IDE was not blocked.

Ahoi
 Sebastian Moeller

Subject: Re: Fatal Bug in CONTOUR
Posted by Wolfgang.Dobler on Tue, 09 Apr 2002 10:49:45 GMT
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Yes, 5.5 really solves the problem.

Sebastian Moeller <sebastian.moeller@lur.rwth-aachen.de> writes:
>   it seems that V5.5 solves your problem. It gives a nice error message
> and does not hang, at least if the commands are given in the "command
> line" of the IDE. Here is the error message:
> % Program caused arithmetic error: Floating illegal operand

This one is just a warning, but then, indeed, it says

  % CONTOUR: Invalid value specified for keyword LEVELS: No finite elements.

and exits gracefully. Exactly what one would expect from a reliable piece
of software.

W o l f g a n g

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| Wolfgang Dobler, Kiepenheuer Institute for Solar Physics, Freiburg |
| http://www.kis.uni-freiburg.de/~dobler/ |
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