Hello

I'm using sagemath. Before I updated my system yesterday, everything was fine and smooth. Now, when I do

```
sage: T=var('T'); solve_mod(T==3, 9)
```

I get the following error:

```
sig_error() without sig_on()  
```

```
/usr/lib/python3.9/site-packages/cysignals/signals.cpython-39-x86_64-linux-gnu.so(+0x774d)  
0x7f9a7e03974d  
/usr/lib/python3.9/site-packages/cysignals/signals.cpython-39-x86_64-linux-gnu.so(+0x780c)  
0x7f9a7e03980c  
/usr/lib/python3.9/site-packages/cysignals/signals.cpython-39-x86_64-linux-gnu.so(+0xa946)  
0x7f9769d92cb2  
/usr/lib/libgmp.so.10(__gmp_tmp_reentrant_alloc+0x19)  
0x7f976974a3c6  
```

```
```

### Description

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```
```
Attaching gdb to process id 2178.
GNU gdb (GDB) 10.1
Copyright (C) 2020 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software; you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
Type "show copying" and "show warranty" for details.
This GDB was configured as "x86_64-pc-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see:
Find the GDB manual and other documentation resources online at:

For help, type "help".
Type "apropos word" to search for commands related to "word".
[New LWP 2181]
0x000007f9a8103110f in wait4 () from /usr/lib/libc.so.6
Stack backtrace
--------------
No symbol table info available.
#1 0x000007f9a7e038fe6 in ?? ()
    from /usr/lib/python3.9/site-packages/cysignals/signals.cpython-39-x86_64-linux-gnu.so
No symbol table info available.
#2 0x000007f9a7e03984b in ?? ()
    from /usr/lib/python3.9/site-packages/cysignals/signals.cpython-39-x86_64-linux-gnu.so
No symbol table info available.
#3 0x000007f9a7e03c946 in ?? ()
from /usr/lib/python3.9/site-packages/cysignals/signals.cpython-39-x86_64-linux-gnu.so
No symbol table info available.
#4 <signal handler called> <signal handler called>
No symbol table info available.
#5 0x00007f9a80fa2f1b in kill () from /usr/lib/libc.so.6
No symbol table info available.
#6 0x00007f9a76caaa73 in ?? ()
from /usr/lib/python3.9/site-packages/sage/ext/memory.cpython-39-x86_64-linux-gnu.so
No symbol table info available.
#7 0x00007f9a76caaa40 in ?? ()
from /usr/lib/python3.9/site-packages/sage/ext/memory.cpython-39-x86_64-linux-gnu.so
No symbol table info available.
#8 0x00007f9a7e2f6fa9 in __gmp_tmp_reentrant_alloc ()
from /usr/lib/libgmp.so.10
No symbol table info available.
#9 0x00007f9a7e2f6fa9 in __gmpz_n_pow_ui () from /usr/lib/libgmp.so.10
No symbol table info available.
#10 0x00007f9769d92cb2 in nrnInitChar(n_Procs_s*, void*) ()
from /usr/lib/libpolys-4.2.0.so
No symbol table info available.
#11 0x00007f9769d92a0a in nInitChar(n_coeffType, void*) ()
from /usr/lib/libpolys-4.2.0.so
No symbol table info available.
#12 0x00007f9769d94ac6 in ?? ()
from /usr/lib/python3.9/site-packages/sage/libs/singular/ring.cpython-39-x86_64-linux-gnu.so
No symbol table info available.
#13 0x00007f9769d92c8e in ?? ()
from /usr/lib/python3.9/site-packages/sage/rings/polynomial/multi_polynomial_libsingular.cpython-39-x86_64-linux-gnu.so
No symbol table info available.
#14 0x00007f9a812655fb in _PyObject_MakeTpCall ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#15 0x00007f9a81260941 in _PyEval_EvalFrameDefault ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#16 0x00007f9a8125acbd in ?? () from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#17 0x00007f9a8125eabe in _PyFunction_Vectorcall ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#18 0x00007f9a8125eabe in _PyFunction_Vectorcall ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#19 0x00007f9a8125eabe in _PyFunction_Vectorcall ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#20 0x00007f9a8125eabe in _PyFunction_Vectorcall ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#21 0x00007f9a8125eabe in _PyFunction_Vectorcall ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#22 0x00007f9a8125eabe in _PyFunction_Vectorcall ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#23 0x00007f9a8125eabe in _PyFunction_Vectorcall ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#24 0x00007f9a8125eabe in _PyFunction_Vectorcall ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#25 0x00007f9a8125eabe in _PyFunction_Vectorcall ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#26 0x00007f9a8125eabe in _PyFunction_Vectorcall ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#27 0x00007f9a8125eabe in _PyFunction_Vectorcall ()
from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#54 0x000007f9a8125c41a in _PyEval_EvalFrameDefault ()
  from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#55 0x000007f9a8126d25a in _PyFunction_Vectorcall ()
  from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#56 0x000007f9a8125c41a in _PyEval_EvalFrameDefault ()
  from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#57 0x000007f9a8125acbd in ?? () from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#58 0x000007f9a8125a681 in _PyEval_EvalCodeWithName ()
  from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#59 0x000007f9a8131e593 in PyEval_EvalCode () from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#60 0x000007f9a8134042a in Py_RunMain () from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#61 0x000007f9a81311529 in Py_BytesMain () from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#62 0x000007f9a8131590 in __libc_start_main () from /usr/lib/libc.so.6
No symbol table info available.
#63 0x000007f9a8131590 in __libc_start_main () from /usr/lib/libc.so.6
No symbol table info available.
#64 0x000007f9a8134042a in Py_RunMain () from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#65 0x000007f9a81311529 in Py_BytesMain () from /usr/lib/libpython3.9.so.1.0
No symbol table info available.
#66 0x000007f9a8131590 in __libc_start_main () from /usr/lib/libc.so.6
No symbol table info available.
#67 0x000005f3f40004e in _start ()
No symbol table info available.

Cython backtrace
----------------
#0 0x000007f9a810310b0 in wait4 ()
#1 0x0000000000000000 in ?? ()
#2 0x0000000000000000 in ?? ()
#3 0x0000000000000000 in ?? ()
#4 0x000007f9a8153ef50 in __restore_rt ()
#5 0x000007f9a80fa21f0 in kill ()
#6 0x0000000000000000 in ?? ()
#7 0x0000000000000000 in ?? ()
#8 0x000007f9a80f970f0 in __gmp_tmp_reentrant_alloc ()
#9 0x000007f9a80f970f0 in __gmpz_n_pow_ui ()
#10 0x000007f9a80f970f0 in nInitChar(n_Procs_s*, void*) ()
#11 0x000007f9a80f970f0 in nInitChar(n_coeffType, void*) ()
#12 0x000007f9a80f970f0 in ?? ()
#13 0x000007f9a80f970f0 in ?? ()
#14 0x000007f9a81255530 in __PyObject_MakeTpCall ()
#15 0x000007f9a81255530 in __PyObject_MakeTpCall ()
#16 0x000007f9a81255530 in __PyObject_MakeTpCall ()
#17 0x000007f9a81255530 in __PyObject_MakeTpCall ()
#18 0x000007f9a81255530 in __PyObject_MakeTpCall ()
#19 0x000007f9a81255530 in __PyObject_MakeTpCall ()
#20 0x000007f9a81255530 in __PyObject_MakeTpCall ()
#21 0x000007f9a81255530 in __PyObject_MakeTpCall ()
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#27 0x000007f9a81255530 in __PyObject_MakeTpCall ()
#28 0x000007f9a81255530 in __PyObject_MakeTpCall ()
#29 0x000007f9a81255530 in __PyObject_MakeTpCall ()

2021-08-05
I tried to find the source of the problem, but I could not find it. Is it a Python problem? A Cython problem? Or even something in the kernel (running linux-libre 5.10.27-gnu-1-lts)?

I'm also not sure, whether this is the correct place to ask for help. Should I ask the sage people directly?

As always, please tell me if I can provide more informations.

Thank you for your help!
#2 - 2021-04-26 10:58 PM - bill-auger
- Status changed from confirmed to forwarded upstream

#3 - 2021-04-27 06:43 AM - theova
Thanks for forwarding, it got fixed by now.

#4 - 2021-04-27 02:44 PM - bill-auger
its not fixed for parabola yet though - the fix is in v9.2-17 - sometime today it should propagate across the parabola mirrors

#5 - 2021-05-01 12:49 AM - bill-auger
- Assignee set to bill-auger

#6 - 2021-05-01 12:49 AM - bill-auger
- Status changed from forwarded upstream to fixed