
Subject: [FIXED] Segmentation violation during drawing geometry

Posted by [Shyam Kumar](#) on Mon, 30 Jun 2014 05:28:59 GMT

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Hi,

I am trying to draw the geometry but there is always a crash for every geometry I am trying to draw, I have reinstalled pandaroot again and export SIMPATH but it is still there.

```
shyam@shyam:~/pandaroot/macro/ftof$ root -l create_ftof_stof_rootgeo.C
```

```
root [0]
```

```
Processing create_ftof_stof_rootgeo.C...
```

```
Error in <TClonesArray::SetClass>: called with a null pointer
```

```
(int)0
```

```
Info in <TGeoManager::TGeoManager>: Geometry FAIRGeom, FAIR geometry created
```

```
[INFO ] FairGeoMedia: Read media
```

```
*****
```

List of media:

- air
- vacuum
- vacuum8
- vacuum7
- vacuum6
- vacuum5
- vacuum4
- carbon
- carbonfoam
- HYPcarbon
- HYPdiamond
- HYPgraphite
- HYPboron
- titanium
- gold
- lead
- silicon
- HYPsilicon
- aluminium
- Aluminum
- HYPaluminium
- magAl
- beryllium
- HYPberyllium
- germanium
- TargetH
- iron
- carbonfoam2
- carbon_67_33
- carbon_75_25
- carbon_50_50
- carbon_25_75
- carbon_0_150
- carbon_90_10

carbon_33_67
SMD
PVC
PVCHEAVY
pcbmvd
FusedSil
Photocathode
Epotek301_2
OpticalGrease
PBF2
BK7G18
NLAK33A
Mirror
H2O
H2O_BABAR
Marcol82
Marcol82_7
DIRCair
DIRCcarbonFiber
DIRCairNoSens
Csl
PMTglass
PMTvacuum
freon10
isobutan
sulfurhexafluoride
copper
G10
polypropylene
carbondioxide
goldcoatedcopper
mylar
kapton
tungsten
STTkaptan
STTisobutan
argon
steel
Al+Be
noryl
CF4_CH4
MUOcopper
MUOtungsten
FscScint
tyvek
FscFiber
polyvinyltoluene
MDTPlastic
PWO
pwo
GEMmixture
MDTMixture

Aerogel
C4F10
arco2_91_2atm
ArCO2
rohacell
glue
honeycomb
STTmix9010_1bar
STTmix9010_2bar
STTmix8020_2bar
STTsupport
STTelectronics
vacuum2

List of detector parts:

Info in <TGeoManager::SetTopVolume>: Top volume is Ftof. Master volume is Ftof
Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100

ftof wall was created.

Warning in <TGeoVolumeAssembly::AddNode>: Volume Ftof : added node FStof_0 with same name

stof side plates were created in dipole region.

Info in <TGeoManager::CheckGeometry>: Fixing runtime shapes...

Info in <TGeoManager::CheckGeometry>: ...Nothing to fix

Info in <TGeoManager::CloseGeometry>: Counting nodes...

Info in <TGeoManager::Voxelize>: Voxelizing...

Error in <TGeoVoxelFinder::SortAll>: Volume Ftof: Cannot make slices on any axis

Info in <TGeoManager::CloseGeometry>: Building cache...

Info in <TGeoManager::CountLevels>: max level = 3, max placements = 68

Info in <TGeoManager::CloseGeometry>: 147 nodes/ 74 volume UID's in FAIR geometry

Info in <TGeoManager::CloseGeometry>: -----modeler ready-----

Info in <TCanvas::MakeDefCanvas>: created default TCanvas with name c1

*** Break *** segmentation violation

=====
There was a crash.

This is the entire stack trace of all threads:

=====

#0 0x00007fef6e909c8e in waitpid () from /lib/x86_64-linux-gnu/libc.so.6

#1 0x00007fef6e88f29e in ?? () from /lib/x86_64-linux-gnu/libc.so.6

#2 0x00007fef6f7c9a77 in TUnixSystem::StackTrace() () from
/home/shyam/fairbuild/lib/root/libCore.so.5.34

#3 0x00007fef6f7cc353 in TUnixSystem::DispatchSignals(ESignals) () from
/home/shyam/fairbuild/lib/root/libCore.so.5.34

#4 <signal handler called>

#5 0x00007fef5813a519 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so

#6 0x00007fef5814527e in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so

#7 0x00007fef57560b2d in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
 #8 0x00007fef5767db92 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
 #9 0x00007fef575ba60d in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
 #10 0x00007fef5824f4fe in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
 #11 0x00007fef5826b665 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
 #12 0x00007fef5826bc90 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
 #13 0x00007fef58c3de2e in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
 #14 0x00007fef58c3a7bf in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
 #15 0x00007fef58c3ab83 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
 #16 0x00007fef59456355 in ?? () from /usr/lib/fglrx/libGL.so.1
 #17 0x00007fef5948563d in glXCreateContext () from /usr/lib/fglrx/libGL.so.1
 #18 0x00007fef59e0a722 in TGLContext::SetContext(TGLWidget*, TGLContext const*) () from /home/shyam/fairbuild/lib/root/libRGL.so
 #19 0x00007fef59e0ac3e in TGLContext::TGLContext(TGLWidget*, bool, TGLContext const*) () from /home/shyam/fairbuild/lib/root/libRGL.so
 #20 0x00007fef59e97a5e in TGLWidget::Create(TGLFormat const&, TGWindow const*, bool, bool, TGLPaintDevice const*, unsigned int, unsigned int) () from /home/shyam/fairbuild/lib/root/libRGL.so
 #21 0x00007fef59e5ce49 in TGLSAViewer::CreateGLWidget() () from /home/shyam/fairbuild/lib/root/libRGL.so
 #22 0x00007fef59e5e389 in TGLSAViewer::TGLSAViewer(TVirtualPad*, TGLFormat*) () from /home/shyam/fairbuild/lib/root/libRGL.so
 #23 0x00007fef59f50077 in G__G__GL_611_0_6(G__value*, char const*, G__param*, int) () from /home/shyam/fairbuild/lib/root/libRGL.so
 #24 0x00007fef6dd2c7af in Cint::G__CallFunc::Execute(void*) () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
 #25 0x00007fef6f78b451 in TCint::CallFunc_ExecInt(void*, void*) const () from /home/shyam/fairbuild/lib/root/libCore.so.5.34
 #26 0x00007fef6f7b3a27 in TMethodCall::Execute(void*, long&) () from /home/shyam/fairbuild/lib/root/libCore.so.5.34
 #27 0x00007fef6f725153 in TPluginHandler::ExecPlugin(int, ...) () from /home/shyam/fairbuild/lib/root/libCore.so.5.34
 #28 0x00007fef6aa4b32b in TPad::GetViewer3D(char const*) () from /home/shyam/fairbuild/lib/root/libGpad.so
 #29 0x00007fef69d0c7be in TGeoPainter::DrawVolume(TGeoVolume*, char const*) () from /home/shyam/fairbuild/lib/root/libGeomPainter.so
 #30 0x00007fef6f976f4a in G__G__Base2_10_0_15(G__value*, char const*, G__param*, int) () from /home/shyam/fairbuild/lib/root/libCore.so.5.34
 #31 0x00007fef6dcfbaab in Cint::G__ExceptionWrapper(int (*)(G__value*, char const*, G__param*, int), G__value*, char*, G__param*, int) () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
 #32 0x00007fef6dda13e1 in G__execute_call () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
 #33 0x00007fef6dda17ce in G__call_cppfunc () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
 #34 0x00007fef6dd82177 in G__interpret_func () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
 #35 0x00007fef6dd6e646 in G__getfunction () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
 #36 0x00007fef6de59f60 in G__getstructmem(int, G__FastAllocString&, char*, int, char*, int*, G__var_array*, int) () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
 #37 0x00007fef6de5142e in G__getvariable () from

```

/home/shyam/fairbuild/lib/root/libCint.so.5.34
#38 0x00007fef6dd47c92 in G__getitem () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
#39 0x00007fef6dd4e3a4 in G__getexpr () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
#40 0x00007fef6ddd1d23 in G__exec_statement () from
/home/shyam/fairbuild/lib/root/libCint.so.5.34
#41 0x00007fef6dd802c7 in G__interpret_func () from
/home/shyam/fairbuild/lib/root/libCint.so.5.34
#42 0x00007fef6dd6e6ae in G__getfunction () from
/home/shyam/fairbuild/lib/root/libCint.so.5.34
#43 0x00007fef6dd48431 in G__getitem () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
#44 0x00007fef6dd4e3a4 in G__getexpr () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
#45 0x00007fef6dd5a0ac in G__calc_internal () from
/home/shyam/fairbuild/lib/root/libCint.so.5.34
#46 0x00007fef6dde17ef in G__process_cmd () from
/home/shyam/fairbuild/lib/root/libCint.so.5.34
#47 0x00007fef6f793bfa in TCint::ProcessLine(char const*, TInterpreter::EErrorCode*) () from
/home/shyam/fairbuild/lib/root/libCore.so.5.34
#48 0x00007fef6f78a5e3 in TCint::ProcessLineSynch(char const*, TInterpreter::EErrorCode*)
() from /home/shyam/fairbuild/lib/root/libCore.so.5.34
#49 0x00007fef6f6f97b4 in TApplication::ExecuteFile(char const*, int*, bool) () from
/home/shyam/fairbuild/lib/root/libCore.so.5.34
#50 0x00007fef6f6f84ef in TApplication::ProcessLine(char const*, bool, int*) () from
/home/shyam/fairbuild/lib/root/libCore.so.5.34
#51 0x00007fef6f34f80a in TRint::Run(bool) () from
/home/shyam/fairbuild/lib/root/libRint.so.5.34
#52 0x0000000000400f6c in main ()
=====

```

The lines below might hint at the cause of the crash.
If they do not help you then please submit a bug report at
<http://root.cern.ch/bugs>. Please post the ENTIRE stack trace
from above as an attachment in addition to anything else
that might help us fixing this issue.

```

=====
#5 0x00007fef5813a519 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#6 0x00007fef5814527e in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#7 0x00007fef57560b2d in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#8 0x00007fef5767db92 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#9 0x00007fef575ba60d in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#10 0x00007fef5824f4fe in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#11 0x00007fef5826b665 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#12 0x00007fef5826bc90 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#13 0x00007fef58c3de2e in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#14 0x00007fef58c3a7bf in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#15 0x00007fef58c3ab83 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#16 0x00007fef59456355 in ?? () from /usr/lib/fglrx/libGL.so.1
#17 0x00007fef5948563d in glXCreateContext () from /usr/lib/fglrx/libGL.so.1
#18 0x00007fef59e0a722 in TGLContext::SetContext(TGLWidget*, TGLContext const*) () from
/home/shyam/fairbuild/lib/root/libRGL.so
#19 0x00007fef59e0ac3e in TGLContext::TGLContext(TGLWidget*, bool, TGLContext const*)
() from /home/shyam/fairbuild/lib/root/libRGL.so

```

#20 0x00007fef59e97a5e in TGLWidget::Create(TGLFormat const&, TGWindow const*, bool, bool, TGLPaintDevice const*, unsigned int, unsigned int) () from /home/shyam/fairbuild/lib/root/libRGL.so
#21 0x00007fef59e5ce49 in TGLSAViewer::CreateGLWidget() () from /home/shyam/fairbuild/lib/root/libRGL.so
#22 0x00007fef59e5e389 in TGLSAViewer::TGLSAViewer(TVirtualPad*, TGLFormat*) () from /home/shyam/fairbuild/lib/root/libRGL.so
=====

Root > Function create_ftof_stof_rootgeo() busy flag cleared
