
Subject: Re: error starting Pandaroot and running macros

Posted by [AbTomer](#) on Thu, 16 May 2019 06:09:58 GMT

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I exported all the commands in config.sh. ran config.sh as well, then started rootshell to find the FairRoot commands not being recognized. TBrowser opened fine.
How to make sure root recognize FairRoot commands.

commands on the terminal to export all the path in config.sh

```
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export SIMPATH="/home/newapd/fair/buildFairSoft"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export ROOTSYS="/home/newapd/fair/buildFairSoft/bin"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
FAIRROOTPATH="/home/newapd/fair/fairsoft_may18/installFairRoot-v18.0.4/ "
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export GEANT4_LIBRARY_DIR="/home/newapd/fair/buildFairSoft/lib"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export GEANT4_INCLUDE_DIR="/
/home/newapd/fair/buildFairSoft/include/Geant4:/home/newapd/fair/buildFairSoft//transport/geant4/source/interfaces/common/include:/home/newapd/fair/buildFairSoft//transport/geant4/physics_lists/hadronic/Packaging/include:/home/newapd/fair/buildFairSoft//transport/geant4/physics_lists/hadronic/QGSP/include "
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
GEANT4VMC_INCLUDE_DIR="/home/newapd/fair/buildFairSoft/include/geant4vmc "
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export GEANT4VMC_LIBRARY_DIR="/home/newapd/fair/buildFairSoft/lib"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export GEANT4VMC_MACRO_DIR="GEANT4VMC_MACRO_DIR-NOTFOUND"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export CLHEP_INCLUDE_DIR="/home/newapd/fair/buildFairSoft/include/Geant4"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export CLHEP_LIBRARY_DIR="/home/newapd/fair/buildFairSoft/lib"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export CLHEP_BASE_DIR=""
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export PLUTO_LIBRARY_DIR=""
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export PLUTO_INCLUDE_DIR=""
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export PYTHIA6_LIBRARY_DIR="/home/newapd/fair/buildFairSoft/lib"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export G3SYS="/home/newapd/fair/buildFairSoft/share/geant3"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
GEANT3_INCLUDE_DIR="/home/newapd/fair/buildFairSoft/include/TGeant3"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export GEANT3_LIBRARY_DIR="/home/newapd/fair/buildFairSoft/lib"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
```

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GEANT3_LIBRARIES="/home/newapd/fair/buildFairSoft/lib/libgeant321.so"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export USE_VGM="1"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export PYTHIA8DATA="/home/newapd/fair/buildFairSoft/share/pythia8/xmldoc"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export CLASSPATH=""
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
G4LEDDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4EMLOW"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
G4LEVELGAMMADATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/PhotonEvaporation "
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
G4NeutronHPCrossSections="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4NDL "
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
G4NEUTRONHPDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4NDL "
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
G4NEUTRONXSADATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4NEUTRONXS "
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
G4PIIDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4PII"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
G4RADIOACTIVEDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/RadioactiveDecay "
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
G4REALSURFACEDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/RealSurface "
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
G4SAIDXSDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4SAIDDATA "
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export
G4ENSDFSTATEDATA="/home/newapd/fair/buildFairSoft/share/Geant4/data/G4ENSDFSTATE "
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ echo $SIMPATH
/home/newapd/fair/buildFairSoft
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export ROOT_LIBRARY_DIR="/home/newapd/fair/buildFairSoft/lib/root"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export ROOT_LIBRARIES="-L/home/newapd/fair/buildFairSoft/lib/root -lGui -lCore -lImlt -lRIO -lNet -lHist -lGraf -lGraf3d -lGpad -lTree -lTreePlayer -lRint -lPostscript -lMatrix -lPhysics -lMathCore -lThread -lMultiProc -pthread -WI,-rpath,/home/newapd/fair/buildFairSoft/lib/root -lm -ldl -rdynamic"

```

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newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export ROOT_INCLUDE_DIR="/home/newapd/fair/buildFairSoft/include/root"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export ROOT_INCLUDE_PATH="/home/newapd/fair/buildFairSoft/include/TGeant3:/home/newapd/fair/fairsoft_may18/installFairRoot-v18.0.4/include"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export VMCWORKDIR="/home/newapd/fair/fairsoft_may18/pandaroot"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export FAIRLIBDIR="/home/newapd/fair/fairsoft_may18/pandaroot/buildPanda/lib"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ export PYTHONPATH="/home/newapd/fair/fairsoft_may18/pandaroot/python:/home/newapd/fair/buildFairSoft/lib:/home/newapd/fair/buildFairSoft/lib/root:/home/newapd/fair/buildFairSoft/lib/Geant4:/home/newapd/fair/buildFairSoft/lib/g4py"
newapd@newapd-HP-ProDesk-600-G3-PCI-MT:~/fair/fairsoft_may18/pandaroot/tutorials/rho$ ~/fair/buildFairSoft/bin/root

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| Welcome to ROOT 6.12/06          http://root.cern.ch |
|           (c) 1995-2017, The ROOT Team |
| Built for linuxx8664gcc          |
| From tags/v6-12-06@v6-12-06, Apr 03 2019, 14:45:00 |
| Try '.help', '.demo', '.license', '.credits', '.quit'/.q |
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```

root [0] .x tut_sim.C
In file included from input_line_10:1:
/home/newapd/fair/fairsoft_may18/pandaroot/tutorials/rho/tut_sim.C:26:3: error: unknown type name 'PndMasterRunSim'
  PndMasterRunSim *fRun = new PndMasterRunSim();
  ^
/home/newapd/fair/fairsoft_may18/pandaroot/tutorials/rho/tut_sim.C:26:31 : error: unknown type name 'PndMasterRunSim'
  PndMasterRunSim *fRun = new PndMasterRunSim();
  ^
/home/newapd/fair/fairsoft_may18/pandaroot/tutorials/rho/tut_sim.C:40:3: error: unknown type name 'FairFilteredPrimaryGenerator'
  FairFilteredPrimaryGenerator *primGen = fRun->GetFilteredPrimaryGenerator();
  ^
root [1] TBrowser t
(TBrowser &) Name: Browser Title: ROOT Object Browser
root [2] .q

```