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Subject: FairSoft not compiling due to gfortran problems in mac OS

Posted by [Hector Alvarez Pol](#) on Mon, 17 Apr 2017 09:28:52 GMT

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Hello everyone,

I have updated to macOS Sierra 10.12.4 (16E195) with XCode 8.3.1 (8E1000a).

Compiling FAIRSoft, either versions mar17 or present master, return with a problem compiling pythia6 (see the error at the end of the message or the complete output in the uploaded file).

The same error appears to me compiling ROOT when gfortran is needed (I was able to compile ROOT with -Dfortran=OFF option).

I have tested both ROOT and FAIRSoft with gfortran from the gcc installed by homebrew:

gcc version 6.3.0 (Homebrew GCC 6.3.0\_1)

and compiling directly gcc from the gnu source, after removing the homebrew gcc:

```
fpvieira:~ hapol$ gfortran -v
Usando especificaciones internas.
COLLECT_GCC=gfortran
COLLECT_LTO_WRAPPER=/usr/local/gcc-6.3.0/libexec/gcc/x86_64-apple-darwin16.5.0/6.3.0/lto-wrapper
Objetivo: x86_64-apple-darwin16.5.0
Configurado con: ../configure --prefix=/usr/local/gcc-6.3.0 --enable-checking=release
--with-gmp=/usr/local/Cellar/gmp/ --with-mpfr=/usr/local/Cellar/mpfr/
--with-mpc=/usr/local/Cellar/libmpc/ --enable-languages=c,c++,fortran
--with-isl=/usr/local/Cellar/isl/ --program-suffix=-6.3.0
Modelo de hilos: posix
gcc versión 6.3.0 (GCC)
```

both with the same (unsuccess) result.

Any idea?

Thank you for your support.

Regards,

Undefined symbols for architecture x86\_64:

```
"__gfortran_compare_string", referenced from:
  _pyonof_ in pythia6416.f.o
  _pyslha_ in pythia6416.f.o
  _pytune_ in pythia6416.f.o
  _pygive_ in pythia6416.f.o
```

\_pygive\_.constprop.10 in pythia6416.f.o  
 \_pyoper\_ in pythia6416.f.o  
 "\_\_gfortran\_concat\_string", referenced from:  
 \_pyplot\_ in pythia6416.f.o  
 \_pyinbm\_ in pythia6416.f.o  
 \_pylist\_ in pythia6416.f.o  
 \_pybook\_ in pythia6416.f.o  
 \_pyonof\_ in pythia6416.f.o  
 \_pystat\_ in pythia6416.f.o  
 \_pyinre\_ in pythia6416.f.o  
 ...  
 "\_\_gfortran\_pow\_i4\_i4", referenced from:  
 \_pyplot\_ in pythia6416.f.o  
 \_pytabu\_ in pythia6416.f.o  
 \_pymihk\_ in pythia6416.f.o  
 "\_\_gfortran\_st\_backspace", referenced from:  
 \_pyrget\_ in pythia6416.f.o  
 \_pyrset\_ in pythia6416.f.o  
 "\_\_gfortran\_st\_close", referenced from:  
 \_pylhef\_ in pythia6416.f.o  
 \_tpythia6\_close\_fortran\_file\_ in tpythia6\_called\_from\_cc.F.o  
 "\_\_gfortran\_st\_open", referenced from:  
 \_tpythia6\_open\_fortran\_file\_ in tpythia6\_called\_from\_cc.F.o  
 "\_\_gfortran\_st\_read", referenced from:  
 \_upevnt\_ in pythia6416.f.o  
 \_pysugi\_ in pythia6416.f.o  
 \_upinit\_ in pythia6416.f.o  
 \_pyonof\_ in pythia6416.f.o  
 \_pyslha\_ in pythia6416.f.o  
 \_pygive\_ in pythia6416.f.o  
 \_pygive\_.constprop.10 in pythia6416.f.o  
 ...  
 "\_\_gfortran\_st\_read\_done", referenced from:  
 \_upevnt\_ in pythia6416.f.o  
 \_pysugi\_ in pythia6416.f.o  
 \_upinit\_ in pythia6416.f.o  
 \_pyonof\_ in pythia6416.f.o  
 \_pyslha\_ in pythia6416.f.o  
 \_pygive\_ in pythia6416.f.o  
 \_pygive\_.constprop.10 in pythia6416.f.o  
 ...  
 "\_\_gfortran\_st\_rewind", referenced from:  
 \_pyslha\_ in pythia6416.f.o  
 \_pylhef\_ in pythia6416.f.o  
 "\_\_gfortran\_st\_write", referenced from:  
 \_pyxxz6\_ in pythia6416.f.o  
 \_pypile\_.part.0 in pythia6416.f.o  
 \_pyplot\_ in pythia6416.f.o  
 \_pystop\_ in pythia6416.f.o  
 \_pyckbd\_.part.2 in pythia6416.f.o  
 \_pyevwt\_ in pythia6416.f.o  
 \_pykcut\_ in pythia6416.f.o

...

"\_\_gfortran\_st\_write\_done", referenced from:  
 \_pyxxz6\_ in pythia6416.f.o  
 \_pypile\_.part.0 in pythia6416.f.o  
 \_pyplot\_ in pythia6416.f.o  
 \_pystop\_ in pythia6416.f.o  
 \_pyckbd\_.part.2 in pythia6416.f.o  
 \_pyevwt\_ in pythia6416.f.o  
 \_pykcut\_ in pythia6416.f.o

...

"\_\_gfortran\_stop\_string", referenced from:  
 \_pystop\_ in pythia6416.f.o  
 \_pyupev\_ in pythia6416.f.o

"\_\_gfortran\_string\_len\_trim", referenced from:  
 \_upevnt\_ in pythia6416.f.o  
 \_pyinbm\_ in pythia6416.f.o  
 \_upinit\_ in pythia6416.f.o  
 \_pylist\_ in pythia6416.f.o  
 \_pyonof\_ in pythia6416.f.o  
 \_pyinpr\_ in pythia6416.f.o  
 \_pyslha\_ in pythia6416.f.o

...

"\_\_gfortran\_transfer\_array\_write", referenced from:  
 \_pythrg\_ in pythia6416.f.o  
 \_pymihk\_ in pythia6416.f.o

"\_\_gfortran\_transfer\_character", referenced from:  
 \_upevnt\_ in pythia6416.f.o  
 \_upinit\_ in pythia6416.f.o  
 \_pyslha\_ in pythia6416.f.o  
 \_pylhef\_ in pythia6416.f.o  
 \_pyupda\_ in pythia6416.f.o  
 \_pydump\_ in pythia6416.f.o

"\_\_gfortran\_transfer\_character\_write", referenced from:  
 \_pyxxz6\_ in pythia6416.f.o  
 \_pyplot\_ in pythia6416.f.o  
 \_pyckbd\_.part.2 in pythia6416.f.o  
 \_upevnt\_ in pythia6416.f.o  
 \_pyinbm\_ in pythia6416.f.o  
 \_pysugi\_ in pythia6416.f.o  
 \_pyapps\_ in pythia6416.f.o

...

"\_\_gfortran\_transfer\_integer", referenced from:  
 \_upevnt\_ in pythia6416.f.o  
 \_pysugi\_ in pythia6416.f.o  
 \_upinit\_ in pythia6416.f.o  
 \_pyonof\_ in pythia6416.f.o  
 \_pyslha\_ in pythia6416.f.o  
 \_pygive\_ in pythia6416.f.o  
 \_pygive\_.constprop.10 in pythia6416.f.o

...

"\_\_gfortran\_transfer\_integer\_write", referenced from:  
 \_pyplot\_ in pythia6416.f.o

\_pystop\_ in pythia6416.f.o  
\_upevnt\_ in pythia6416.f.o  
\_pysugi\_ in pythia6416.f.o  
\_upinit\_ in pythia6416.f.o  
\_pylogo\_ in pythia6416.f.o  
\_pylist\_ in pythia6416.f.o

...

"\_\_gfortran\_transfer\_real", referenced from:

\_upevnt\_ in pythia6416.f.o  
\_pysugi\_ in pythia6416.f.o  
\_upinit\_ in pythia6416.f.o  
\_pyslha\_ in pythia6416.f.o  
\_pygive\_ in pythia6416.f.o  
\_pygive\_.constprop.10 in pythia6416.f.o  
\_pylhef\_ in pythia6416.f.o

...

"\_\_gfortran\_transfer\_real\_write", referenced from:

\_pyxxz6\_ in pythia6416.f.o  
\_pypile\_.part.0 in pythia6416.f.o  
\_pyplot\_ in pythia6416.f.o  
\_pyinbm\_ in pythia6416.f.o  
\_pytbody\_ in pythia6416.f.o  
\_pylist\_ in pythia6416.f.o  
\_pypdfu\_ in pythia6416.f.o

...

ld: symbol(s) not found for architecture x86\_64

collect2: error: ld devolió el estado de salida 1

make[2]: \*\*\* [libPythia6.dylib] Error 1

make[1]: \*\*\* [CMakeFiles/Pythia6.dir/all] Error 2

make: \*\*\* [all] Error 2

cp: libPythia6.dylib: No such file or directory

ls: libPythia6.dylib: No such file or directory

\*\*\*\* Checking libraries in /Users/hapol/CODES/FAIRSOFT/install\_nov15p3/lib \*\*\*\*

Library libpythia6.dylib is 32bit, but system is 64bit

\*\*\* ERROR: Pythia6 could not be created.

\*\*\* End installation of external packages with Errors\*\*\*

## File Attachments

1) [output.txt](#), downloaded 300 times

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