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Subject: Failure when compiling FairSoft may18 in MacOS Mojave

Posted by [Volker Friese](#) on Wed, 26 Jun 2019 08:36:05 GMT

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I fail to install FairSoft version may18 under MacOS Mojave (10.14.5). The compilation fails with ROOT.

I did not install XCode, but I do have the latest Command Line Tools:

Command Line Tools (macOS Mojave version 10.14) for Xcode 10.2

The clang version is

Apple LLVM version 10.0.1 (clang-1001.0.46.4)

Target: x86\_64-apple-darwin18.6.0

Thread model: posix

InstalledDir: /Library/Developer/CommandLineTools/usr/bin

I have a "fresh" system, so no C++ headers in /usr/include (actually, there is no /usr/include directory).

The compilation fails with the following error messages (and many more). I do appreciate any help.

In file included from input\_line\_9:16:

In file included from

/Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TApplication.h:30:

In file included from /Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TQObject.h:41:

In file included from /Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TList.h:25:

In file included from

/Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TSeqCollection.h:25:

In file included from

/Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TCollection.h:29:

In file included from /Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TString.h:26:

In file included from

/Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TMathBase.h:32:

/Library/Developer/CommandLineTools/usr/include/c++/v1/cmath:313:9: error: no member named 'signbit' in the global namespace

using ::signbit;

~~^

/Library/Developer/CommandLineTools/usr/include/c++/v1/cmath:314:9: error: no member named 'fpclassify' in the global namespace

using ::fpclassify;

~~^

/Library/Developer/CommandLineTools/usr/include/c++/v1/cmath:315:9: error: no member named 'isfinite' in the global namespace; did you mean 'finite'?

using ::isfinite;

~~^

/Library/Developer/CommandLineTools/SDKs/MacOSX10.14.sdk/usr/include/math.h:749:12: note: 'finite' declared here  
extern int finite(double)

^

In file included from input\_line\_9:16:

In file included from

/Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TApplication.h:30:

In file included from /Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TQObject.h:41:

In file included from /Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TList.h:25:

In file included from

/Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TSeqCollection.h:25:

In file included from

/Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TCollection.h:29:

In file included from /Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TString.h:26:

In file included from

/Users/vfrieese/temp/fairsoft/tools/root/build\_for\_fair/include/TMathBase.h:32:

/Library/Developer/CommandLineTools/usr/include/c++/v1/cmath:316:9: error: no member named 'isinf' in the global namespace

using ::isinf;

^^^

/Library/Developer/CommandLineTools/usr/include/c++/v1/cmath:317:9: error: no member named 'isnan' in the global namespace

using ::isnan;

^^^

/Library/Developer/CommandLineTools/usr/include/c++/v1/cmath:318:9: error: no member named 'isnormal' in the global namespace

using ::isnormal;

^^^

/Library/Developer/CommandLineTools/usr/include/c++/v1/cmath:319:9: error: no member named 'isgreater' in the global namespace; did you mean 'greater'?

using ::isgreater;

^^^

/Library/Developer/CommandLineTools/usr/include/c++/v1/functional:720:29: note: 'greater' declared here

struct \_LIBCPP\_TEMPLATE\_VIS greater : binary\_function<\_Tp, \_Tp, bool>

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Subject: Re: Failure when compiling FairSopft may18 in MacOS Mojave

Posted by [Mohammad Al-Turany](#) on Wed, 26 Jun 2019 09:42:10 GMT

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Hi Volker,

ROOT 6.12 and 6.14 has this problem with Mojave, there are many discussions on the ROOT forum about it, it was only solved in ROOT 6.16 and I just tested it was not back ported to 6.12.00.paches.

Can you use a newer FairSoft release?

best,

Mohammad

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Subject: Re: Failure when compiling FairSopft may18 in MacOS Mojave  
Posted by [Volker Friese](#) on Wed, 26 Jun 2019 11:12:45 GMT  
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Sure, no problem, if it is available. Which one would you recommend?

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Subject: Re: Failure when compiling FairSopft may18 in MacOS Mojave  
Posted by [Mohammad Al-Turany](#) on Wed, 26 Jun 2019 11:31:27 GMT  
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We just released a new one:

<https://github.com/FairRootGroup/FairSoft/releases/tag/jun19>

cheers,

Mohammad

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Subject: Re: Failure when compiling FairSopft may18 in MacOS Mojave  
Posted by [Volker Friese](#) on Wed, 26 Jun 2019 14:20:06 GMT  
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Thanks, that works!

May I suggest to put a disclaimer in the fairroot pages <https://fairroot.gsi.de/?q=node/121>? I may probably not be the last to encounter this problem on Mojave.

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Subject: Re: Failure when compiling FairSopft may18 in MacOS Mojave  
Posted by [Mohammad Al-Turany](#) on Wed, 26 Jun 2019 14:54:00 GMT  
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Ok done,

<https://fairroot.gsi.de/?q=node/121>

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