
Subject: Fairsoft_mar15 on OSX 10.11.4 issues

Posted by [Walter Ikegami Andersson](#) on Thu, 14 Apr 2016 15:51:11 GMT

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Hello,

I'm currently trying to install the external packages mar15 for running pandaroot. I've run into a problem when trying to install fairsoft_mar15p3 on a new Mac computer.

I'm running Mac OS X 10.11.4
and Xcode version 7.3 (7D175)

I installed the prerequisites according to the fairroot page;
<https://fairroot.gsi.de/?q=node/106>
which went fine.

These are the settings I'm using:

```
compiler=Clang
debug=no
optimize=no
geant4_download_install_data_automatic=yes
geant4_install_data_from_dir=no
build_python=no
install_sim=yes
SIMPATH_INSTALL=/Users/walan603/fairsoft_mar15/buildFairSoft
platform=macosx
```

The following errors appear during the root installation:

```
In file included from
/Users/walan603/fairsoft_mar15/tools/root/math/vc/src/trigonometric.cpp:20:
In file included from include/Vc/Vc:22:
In file included from include/Vc/vector.h:33:
In file included from include/Vc/sse/vector.h:23:
include/Vc/sse/intrinsics.h:309:17: error: use of undeclared identifier
    '__builtin_ia32_psrldq128'
      c = _mm_srli_si128(_mm_setallone_si128(), 12);
          ^
include/Vc/sse/./common/fix_clang_emmintrin.h:40:12: note: expanded from macro
    '_mm_srli_si128'
    ((__m128i)__builtin_ia32_psrldq128((__m128i)(a), (count)*8); }
```

```
In file included from
/Users/walan603/fairsoft_mar15/tools/root/math/vc/src/trigonometric.cpp:20:
In file included from include/Vc/Vc:22:
In file included from include/Vc/vector.h:33:
In file included from include/Vc/sse/vector.h:23:
include/Vc/sse/intrinsics.h:312:17: error: C-style cast from 'void' to '__m128i'
```

(vector of 2 'long long' values) is not allowed

```
c = _mm_slli_si128(_mm_srli_si128(_mm_setallone_si128()), 12), 4);
```

```
^~~~~~
```

```
include/Vc/sse/./common/fix_clang_emmintrin.h:34:38: note: expanded from macro
```

```
'_mm_slli_si128'
```

```
(__m128i)__builtin_ia32_pslldq128((__m128i)(a), (count)*8); }
```

and it aborts after awhile.

How do I solve this? I also tried fairsoft mar15p6 and got the same result.

Best regards,
Walter
