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## compile cistem in unbuntu 20.04

Wed, 12/22/2021 - 16:37

#1



Dear all,

I am compiling source code and I did not use MKL, however, when I am doing 'make', it has about mkl.h error.

I did .../configure, and no errors so far.

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```
Making all in
src
make[1]: Entering directory
'/opt/work/git/cisTEM/build/src'
g++ -DPACKAGE_NAME=\"cisTEM\" -
DPACKAGE_TARNAME=\"cistem\" -DPACKAGE_VERSION=\"2.0.0-
alpha\" -DPACKAGE_STRING=\"cisTEM\ 2.0.0-alpha\" -
DPACKAGE_BUGREPORT=\"\" -DPACKAGE_URL=\"\" -
DPACKAGE=\"cistem\" -DVERSION=\"2.0.0-alpha\" -
DSTDC_HEADERS=1 -DHAVE_SYS_TYPES_H=1 -
DHAVE_SYS_STAT_H=1 -DHAVE_STDLIB_H=1 -
DHAVE_STRING_H=1 -DHAVE_MEMORY_H=1 -
DHAVE_STRINGS_H=1 -DHAVE_INTTYPES_H=1 -
DHAVE_STDINT_H=1 -DHAVE_UNISTD_H=1 -DHAVE_DLFCN_H=1 -
DLT_OBJDIR=".libs\" -Dwx_is_available=1 -
DCISTEM_CURRENT_BRANCH=\"master\" -
DCISTEM_VERSION_TEXT=\"2.0.0-alpha-39-d29320d-dirty\" -
DCISTEM_TIME_YYMMDDHHMMSS=\"211220160650\" -
DCISTEM_TIME_READABLE=\"2021-12-20\ 16:06:50\ -0500\" -I. -
I../../src -I/usr/lib/x86_64-linux-gnu/wx/include/gtk3-unicode-3.0 -
I/usr/include/wx-3.0 -D_FILE_OFFSET_BITS=64 -DWXUSINGDLL -
D__WXGTK__ -DwxUSE_GUI=0 -DNDEBUG -funroll-loops -O3 -pipe -
Wall -fexpensive-optimizations -D_FILE_OFFSET_BITS=64 -
D_LARGEFILE_SOURCE -DMKL -I/usr/lib/x86_64-linux-
gnu/wx/include/gtk3-unicode-3.0 -I/usr/include/wx-3.0 -
D_FILE_OFFSET_BITS=64 -DWXUSINGDLL -D__WXGTK__ -
DwxUSE_GUI=0 -DNDEBUG -funroll-loops -O3 -pipe -Wall -fexpensive-
optimizations -D_FILE_OFFSET_BITS=64 -D_LARGEFILE_SOURCE -
std=c++11 -DMKL -MT programs/unblur/unblur-unblur.o -MD -MP -MF
programs/unblur/.deps/unblur-unblur.Tpo -c -o programs/unblur/unblur-
unblur.o `test -f 'programs/unblur/unblur.cpp' || echo
'../../src/'` programs/unblur/unblur.cppIn file included from
../../src/programs/unblur/unblur.cpp:1:
```

```
../../../../src/programs/unblur/../../core/core_headers.h:218:10: fatal error:  
mkl.h: No such file or directory  
218 | #include  
<mkl.h>  
|  
^~~~~~  
compilation  
terminated.  
make[1]: *** [Makefile:7113: programs/unblur/unblur-unblur.o] Error  
1  
make[1]: Leaving directory  
'/opt/work/git/cisTEM/build/src'  
make: *** [Makefile:392: all-recursive] Error 1
```

Many thanks!

Hong



Wed, 12/22/2021 - 17:28

#2



himesb

disable mkl

Hi Hong,

In your output you have

"std=c++11 -DMKL -MT programs/unblur"

This indicates the build system expects MKL. Run configure --help to see the option to disable MKL.

Better yet, you should be able to link the mkl library even without the intel compiler.

Wed, 12/22/2021 - 17:57

#3



hzhan3

Thanks Ben!!! I figure out ..

Thanks Ben!!! I figure out ... and I use the --disable-mkl to disable and I have cisTEM 2.0

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