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# compile cistem in ubuntu 20.04

Wed, 12/22/2021 - 16:37

#1



hzhan3

compile cistem in ubuntu 20.04

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.

-----

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.cpp\n 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







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.





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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