

isce2: <https://github.com/isce-framework/isce2.git>

- + 1. 首先git
- :: 2. 创建build
- 3. cmake cmake ..
- 4. make编译 make
- 5. make安装 make install

编译错误汇总

1. Could not find a package configuration file provided by "OpenCV"

- 问题描述

CMake Warning at CMakeLists.txt:21 (find_package):

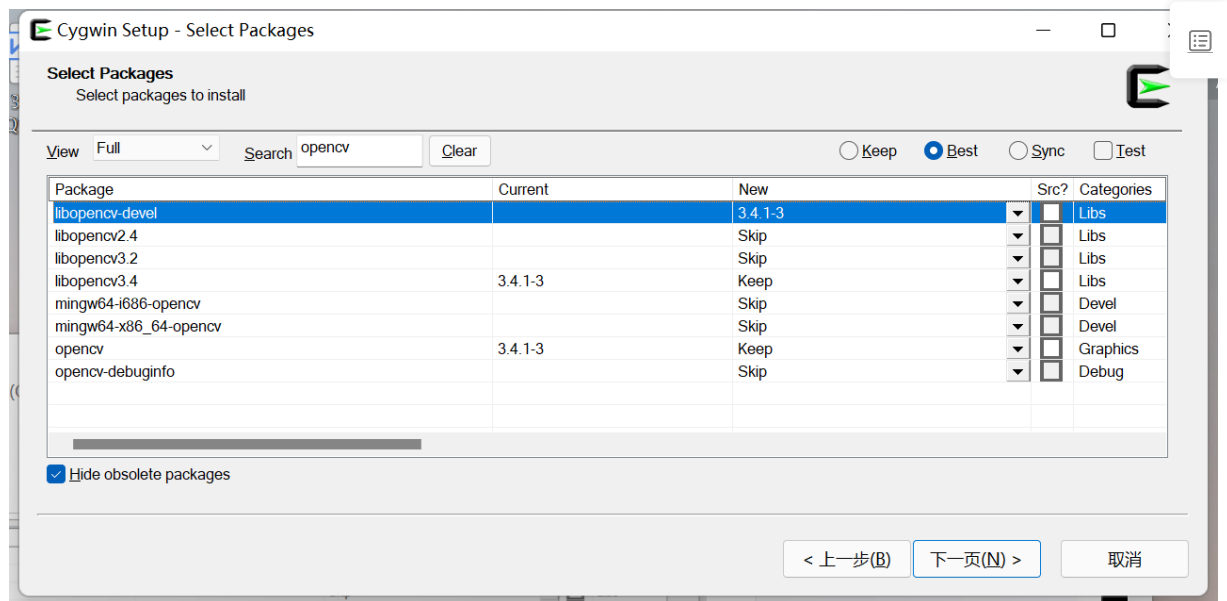
By not providing "FindOpenCV.cmake" in CMAKE_MODULE_PATH this project has asked CMake to find a package configuration file provided by "OpenCV", but CMake did not find one.

Could not find a package configuration file provided by "OpenCV" with any of the following names:

OpenCVConfig.cmake
opencv-config.cmake

Add the installation prefix of "OpenCV" to CMAKE_PREFIX_PATH or set "OpenCV_DIR" to a directory containing one of the above files. If "OpenCV" provides a separate development package or SDK, be sure it has been installed.

- 解决方案



Could NOT find Motif

-- Could NOT find Motif (missing: MOTIF_LIBRARIES MOTIF_INCLUDE_DIR)

CMake Warning at CMakeLists.txt:21 (find_package):

By not providing "FindOpenCV.cmake" in CMAKE_MODULE_PATH this project has asked CMake to find a package configuration file provided by "OpenCV", but CMake did not find one.

- 不影响系统编译

undefined reference to `fftwf_plan_many_dft'

Linking CXX shared module splitSpectrum.dll

/usr/lib/gcc/x86_64-pc-cygwin/11/../../../../x86_64-pc-cygwin/bin/ld:

CMakeFiles/splitSpectrum.dir/src/splitRangeSpectrum.cc.o:splitRangeSpectrum.cc:(.text+0x276): undefined reference to `fftwf_plan_many_dft'

/usr/lib/gcc/x86_64-pc-cygwin/11/../../../../x86_64-pc-cygwin/bin/ld:

CMakeFiles/splitSpectrum.dir/src/splitRangeSpectrum.cc.o:splitRangeSpectrum.cc:(.text+0x286): undefined reference to `fftwf_execute'

/usr/lib/gcc/x86_64-pc-cygwin/11/../../../../x86_64-pc-cygwin/bin/ld:

CMakeFiles/splitSpectrum.dir/src/splitRangeSpectrum.cc.o:splitRangeSpectrum.cc:(.text+0x292): undefined reference to `fftwf_destroy_plan'

/usr/lib/gcc/x86_64-pc-cygwin/11/../../../../x86_64-pc-cygwin/bin/ld:

CMakeFiles/splitSpectrum.dir/src/splitRangeSpectrum.cc.o:splitRangeSpectrum.cc:(.text+0x120e): undefined reference to `fftwf_plan_many_dft'

/usr/lib/gcc/x86_64-pc-cygwin/11/../../../../x86_64-pc-cygwin/bin/ld:

CMakeFiles/splitSpectrum.dir/src/splitRangeSpectrum.cc.o:splitRangeSpectrum.cc:(.text+0x1224): undefined reference to `fftwf_execute'

/usr/lib/gcc/x86_64-pc-cygwin/11/../../../../x86_64-pc-cygwin/bin/ld:

CMakeFiles/splitSpectrum.dir/src/splitRangeSpectrum.cc.o:splitRangeSpectrum.cc:(.text+0x1233): undefined reference to `fftwf_destroy_plan'

collect2: error: ld returned 1 exit status

make[2]: ***

[components/contrib/splitSpectrum/CMakeFiles/splitSpectrum.dir/build.make:121:

components/contrib/splitSpectrum/splitSpectrum.dll] Error 1

make[1]: *** [CMakeFiles/Makefile2:4354:

components/contrib/splitSpectrum/CMakeFiles/splitSpectrum.dir/all] Error 2

make: *** [Makefile:146: all] Error 2

- 解决方案,

1. 重新下载fftw3.8.* 版本的源代码, 然后用下面的CMakeLists.txt 替换掉原有的CMakeLists.txt。再重新编译并安装fftw3.8.*。编译指令:

```
1 mkdir build
2 cd build
3 cmake ..
4 make -j
5 make intall
```

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2. 修改isce2 中的link.txt 文件

link.txt 文件路径: \isce2-

2.5.3\build\components\contrib\splitSpectrum\CMakeFiles\splitSpectrum.dir\link.txt

原文:

```
1      /usr/bin/c++.exe -shared -WL,--enable-auto-import -o
splitSpectrum.dll -WL,--major-image-version,0,--minor-
image-version,0
CMakeFiles/splitSpectrum.dir/splitSpectrum.cxx.o
CMakeFiles/splitSpectrum.dir/src/splitRangeSpectrum.cc.o
/usr/lib/libpython3.8.dll.a /usr/lib/libgdal.dll.a
/usr/local/lib/libfftw3f_threads.dll.a /usr/lib/gcc/x86_64-
pc-cygwin/11/libgomp.dll.a
```

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修改为: 在后面加上 -L /usr/local/lib -lfftw3f, 其中 -L 路径 (链接库所在的路径) -l链接库名称。 fftw3f 对应的库名: libfftw3f.dll.a

```
1 /usr/bin/c++.exe -shared -WL,--enable-auto-import -o
splitSpectrum.dll -WL,--major-image-version,0,--minor-
image-version,0
CMakeFiles/splitSpectrum.dir/splitSpectrum.cxx.o
CMakeFiles/splitSpectrum.dir/src/splitRangeSpectrum.cc.o
/usr/lib/libpython3.8.dll.a /usr/lib/libgdal.dll.a
/usr/local/lib/libfftw3f_threads.dll.a /usr/lib/gcc/x86_64-
pc-cygwin/11/libgomp.dll.a -L /usr/local/lib -lfftw3f
```

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Could NOT find Python (missing: Python_LIBRARIES Python_INCLUDE_DIRS



```
1 cmake -DPython_LIBRARIES=
```

[复制代码](#)[vue >](#)

展示如何在setup.py中修正-std=c++11的错误

D:\cygwin64\home\ChenZenghui\scikit-image-main\setup.py

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