Programmer**Sought**

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search

Install Cholmod and Scikit-sparse under Windows

tags: development tools   cmake   sparse coding

First, introduce

Use the command under Windows

```
1  pip install scikit-sparse
```

installation `scikit-sparse` I can't install it at all, I can only handle it online online.

Second, manual installation

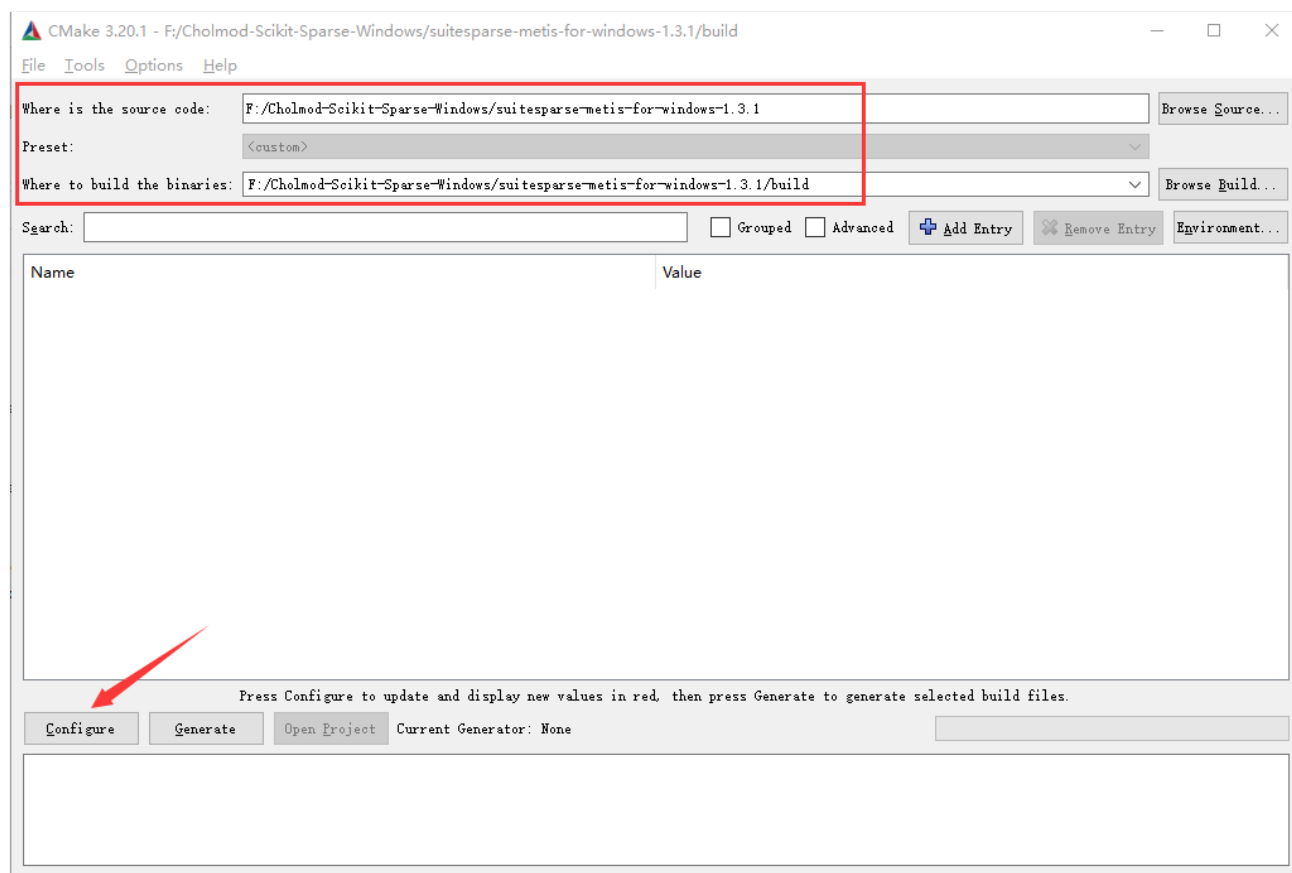reference:https://github.com/xmlyqing00/Cholmod-Scikit-Sparse-Windows

2.1 Compile Cholmod

1. Download and install CMAK first firstOfficial website,CMAKE_3.20.1_X64 installation package)

2. Use the following command to pull source code

```
1  git clone https://github.com/xmlyqing00/Cholmod-Scikit-Sparse-Windows.git
```
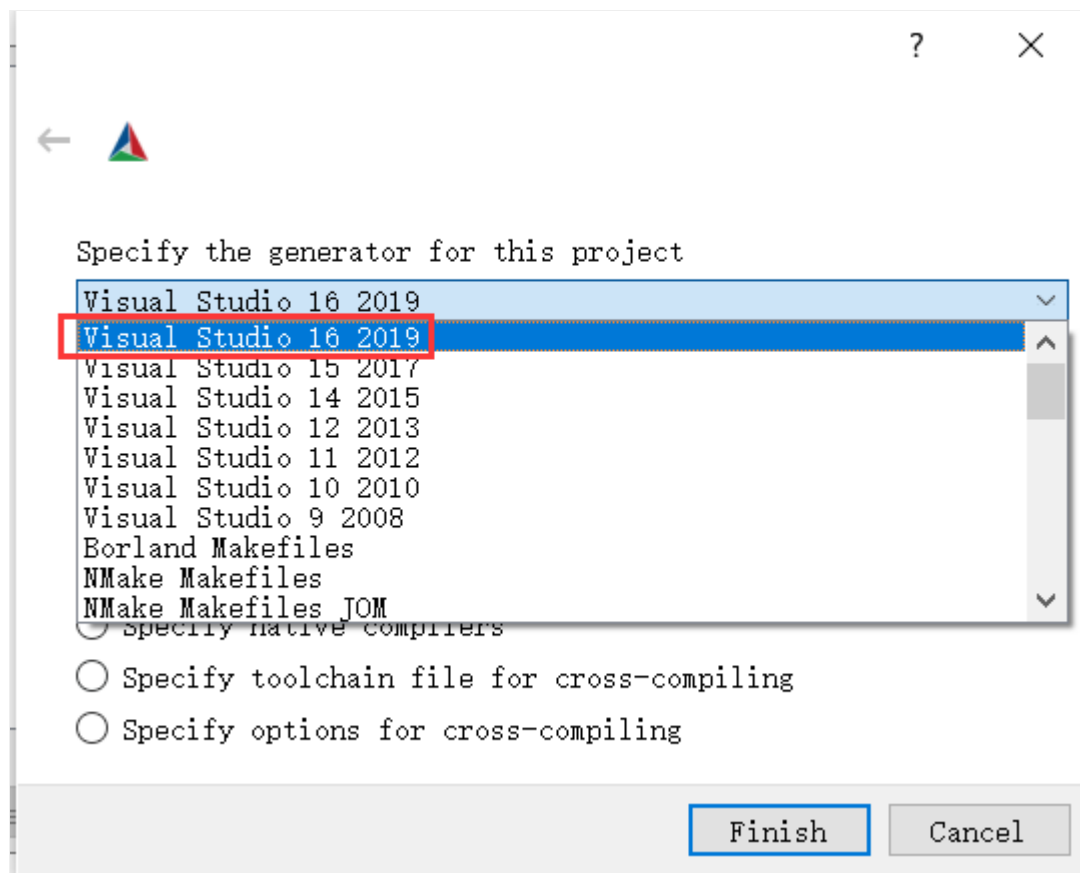
After the download is complete `Cholmod-Scikit-Sparse-Windows/suitesparse-metis-for-windows-1.3.1` Newly built under the directory `build` Directory for placing compilation files.
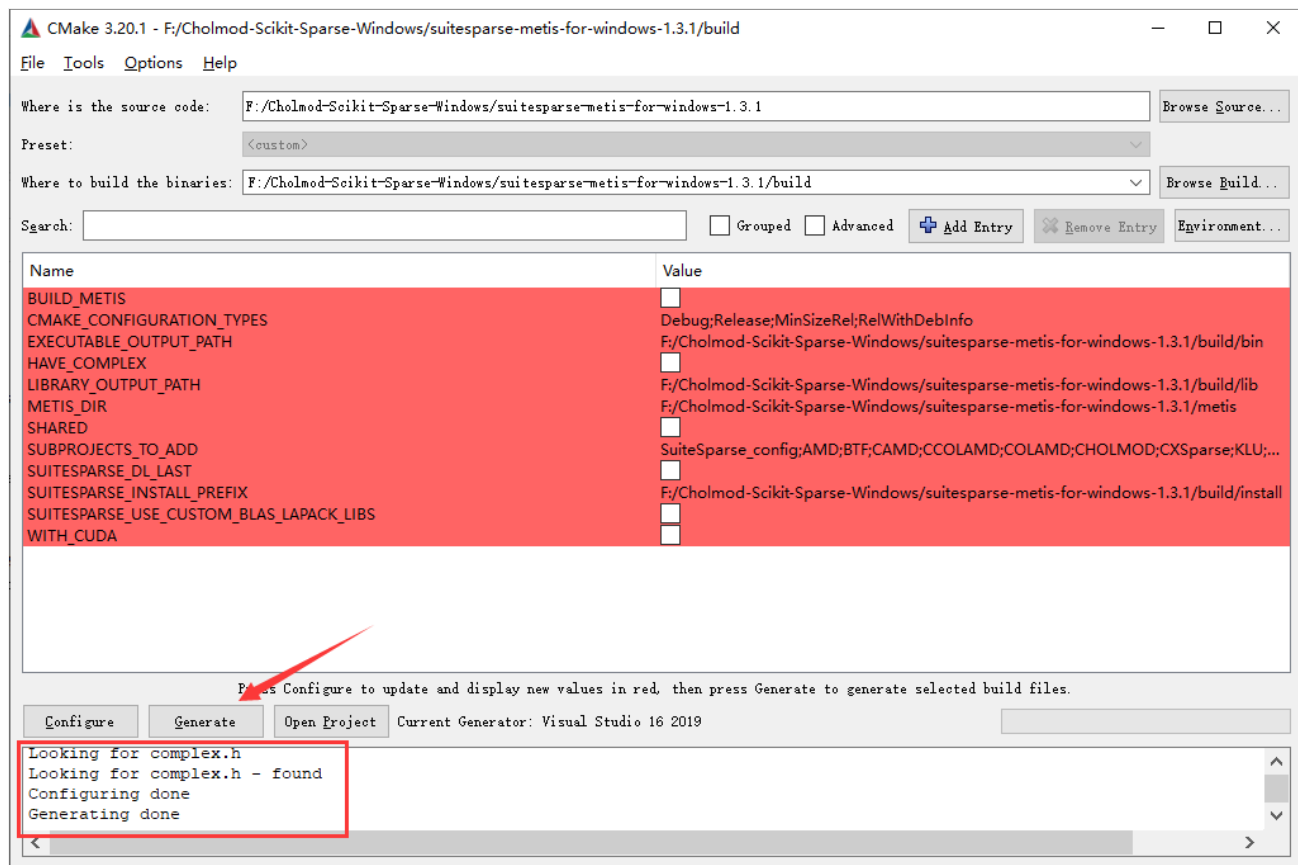
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3. Open installation `CMake (cmake-gui)` Icon, select the source file directory, and compile file directory (**Directory does not have Chinese**)。

4. Click `Configure` Button, select the installed Visual Studio environment (**I installed VS2019 here, so I chose the first one)**
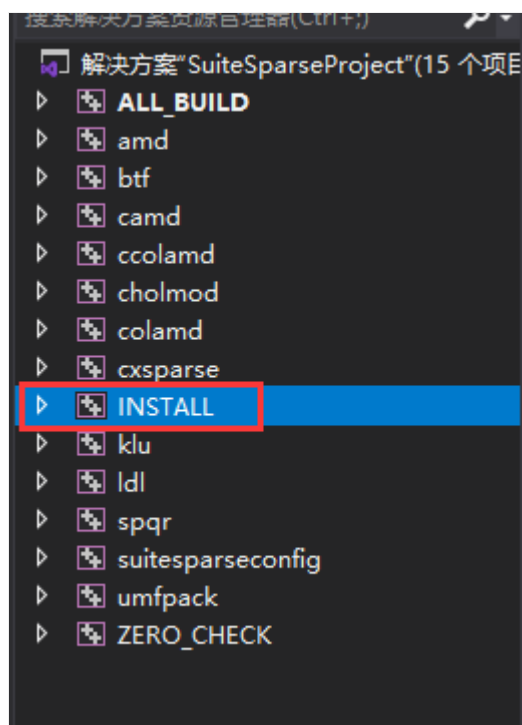
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5. After selecting, the area in the red box will be made automatically, then click Generate generate.
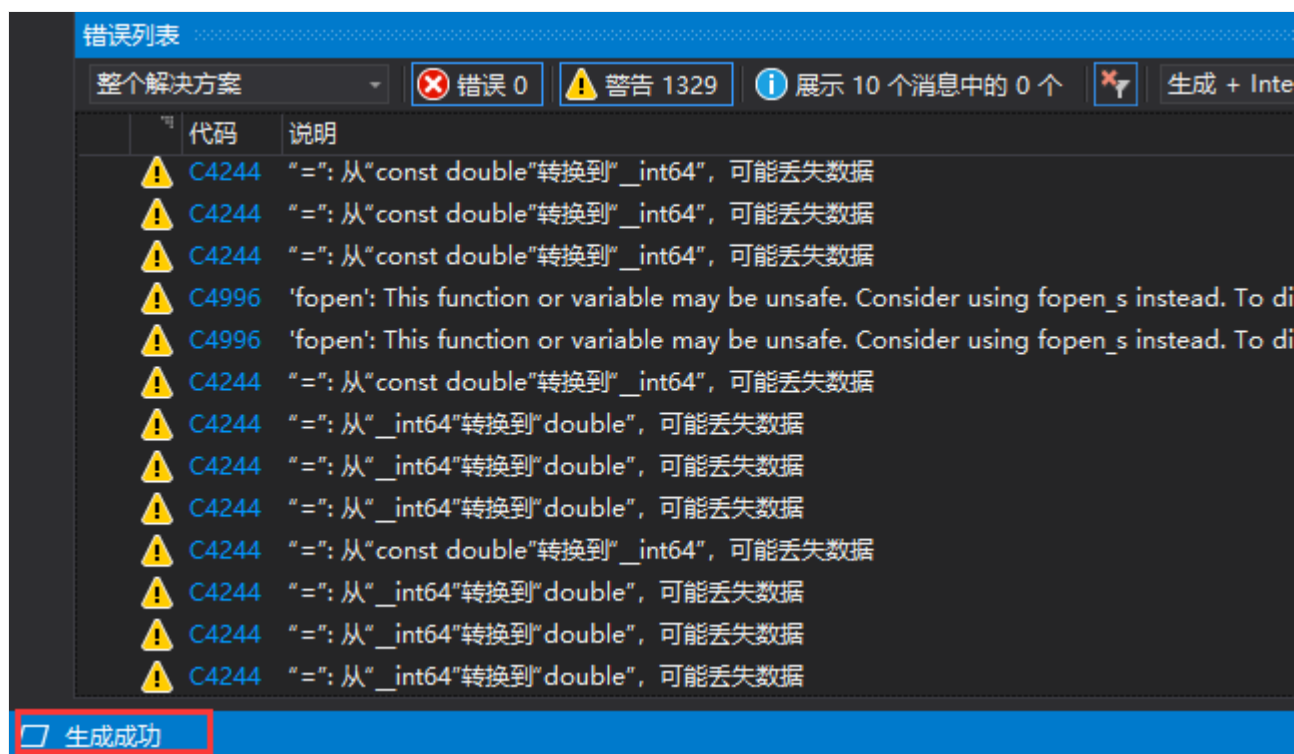
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6. Then click `Open Project` Select Visual Studio Select Open Solution.

7. Select in the Visual Studio environment `Release` mode(Be sure to choose Release mode). Then compile `INSTALL` Module

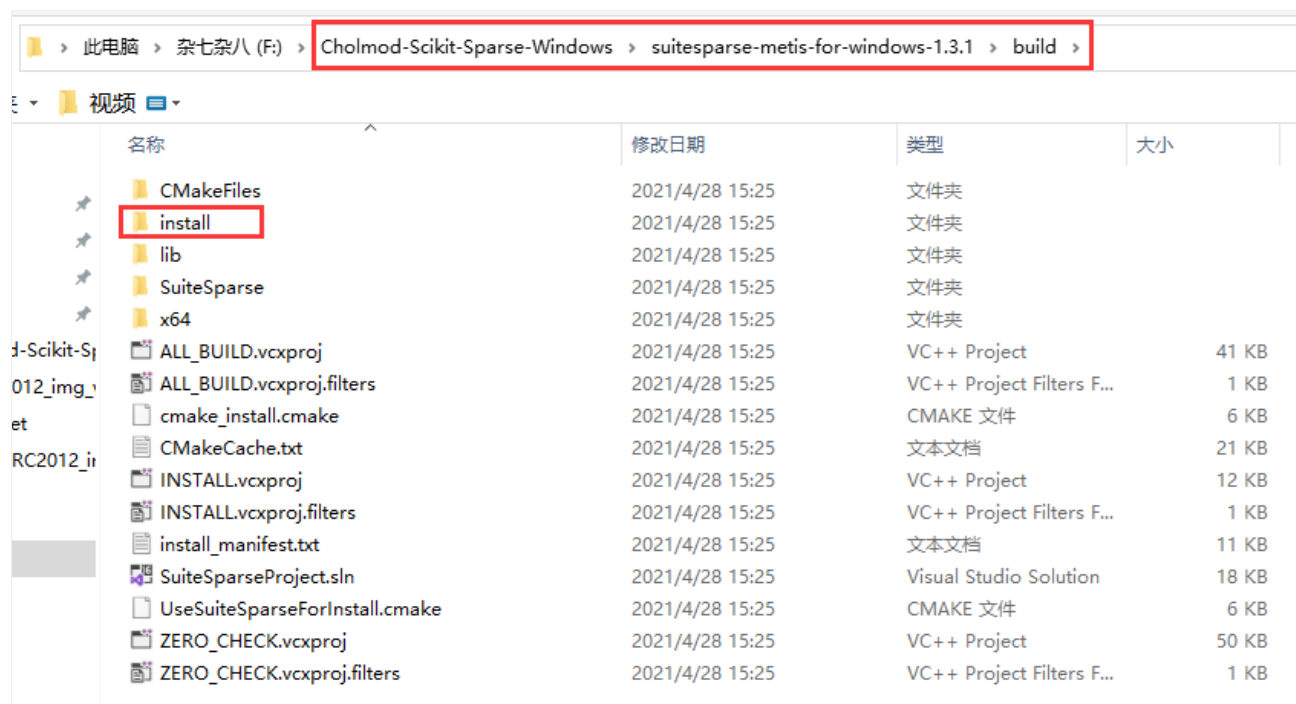Confidentialité

8. Waiting for its success

9. Now enter the compilation path we just set, compiled `install` Under the folder

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2.2 Compile SCIKIT-SPARSE

1. enter `Cholmod-Scikit-Sparse-Windows\scikit-sparse-0.4.4` Directory, open the
   PowerShell window here. Excuting an order

```
1 │ python setup.py build
```

Compile file.

2. Use command

```
1  python setup.py install
```

Install the file, the last few lines are installed as shown below.

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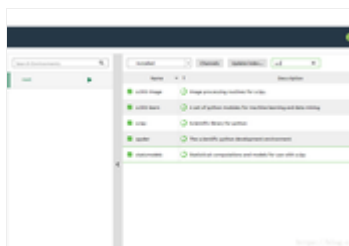
2.3 test

input the command

```
1 │ from sksparse.cholmod import cholesky
```

If you don't report an error, the installation is complete.

```
C:\Users\Lenovo>python
Python 3.8.3 (default, Jul  2 2020, 17:30:36) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> from sksparse.cholmod import cholesky
>>>
```

Copyright Complaint   **Spam Report**

Intelligent Recommendation

Doubts about scikit learn of machine learning library (please skip it) Attachment: link to install sklearn under Windows

To be honest, the boss asked to learn machine learning. One of the hottest libraries for machine learning is scikit learn, but I don't know what it is. Learn it slowly. QT1: Some nonsense here. ...

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