Subject: Cannot find Eigen module head file
Posted by sinpeople on Fri, 10 Dec 2021 15:28:38 GMT
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Hi Folks,

I downloaded package 15947 and installed eigen from the UppHub

I followed the demo. However, I got this error when I build my project. It is in this picture

Please help me solve this problem. Thank you!

Best Regards
Daivd

## File Attachments

1) eigen.PNG, downloaded 896 times

```
#ifndef _LocalCtrl_LocalCtrl_h_
#define _LocalCtrl_LocalCtrl_h_

#include <CtrlLib/CtrlLib.h>
#include <deque>
#include <Core/Core.h>
#include <Core/Rpc/Rpc.h>
#include <plugin/Eigen/Eigen.h>

#include <MtAlt/MtAlt.h>
#include "PhaseSignal.h"

using namespace Upp;
using namespace std;
using namespace Eigen;

#define LAYOUTFILE <LocalCtrl/LocalCtrl.lay>
#include <CtrlCore/lay.h>

const int nAlgoInterval = 10000; //Interval to simul
const int nDataInterval = 10000; //Interval to read
const int nHotDataSize = 500; //Data for Algo
const int nMinSaveRCD = 500; //Data size to trigger
const int nLoggerSnap = 30000; //logger snap time;
const String strSaveFileName = "History.log";
const int MSG_TYPE_NEW_MESSAGE = 35;
const String MSG_SEPARATOR = ",";


//thread GUI (main application thread)
class LocalCtrl : public WithLocalCtrlLayout<ParentCtrl>, public CallbackQueue, public R
{
    typedef LocalCtrl CLASSNAME;
public: //thread GUI
    LocalCtrl(Local_Controller ctrl_rcd, Regional_Controller regional_rcd);
public: //thread Worker
    virtual void OnReplyRead(int nData, int x2, String s) {Request(&LocalCtrl::SaveReadR
    virtual void OnReplyWrite(int nData, int x2, String s) {Request(&LocalCtrl::SaveWrit
    virtual void OnReplyUdpRpcCmd(bool bPassive, String string, String data, String s) {
    virtual void OnReplyTcpRpcCmd(String string, int x2, String s) {Request(&LocalCtrl::

private:
    void ReadSensors() {reader.Request(&Reader::ReadSensors);}
    void WriteCtrl(int nData) {writer.Request(&Writer::WriteCtrl, nData);}
    void UdpRpcCmd(UrrRequest r) {udpRpcCmder.Request(&UdpRpcCmder::UdpRpcCmd, r);}
```

# Eigen demo

Eigen package demo

## eigen_demo.cpp

```
#include <Core/Core.h>
#include <plugin/Eigen/Eigen.h>

using namespace Upp;

using namespace Eigen;

void NonLinearTests();
void FFTTests();

struct SerialTest {
    MatrixXd m;
    VectorXd v;
```

| File | Line | Message (1 error) |
|---|---|---|
| LocalCtrl/**LocalCtrl.h** | 8 | fatal error: 'plugin/Eigen/Eigen.h' file not found |

Subject: Re: Cannot find Eigen module head file
Posted by sinpeople on Sun, 12 Dec 2021 03:35:18 GMT
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I copied the eigen demo file from the tutorial side to put only one .cpp file in the project. It is still the same.

File is attached.

Thank you for your support!

David WANG

File Attachments
1) TestEigen.cpp, downloaded 411 times

Subject: Re: Cannot find Eigen module head file
Posted by Oblivion on Sun, 12 Dec 2021 06:50:06 GMT
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Hello David,

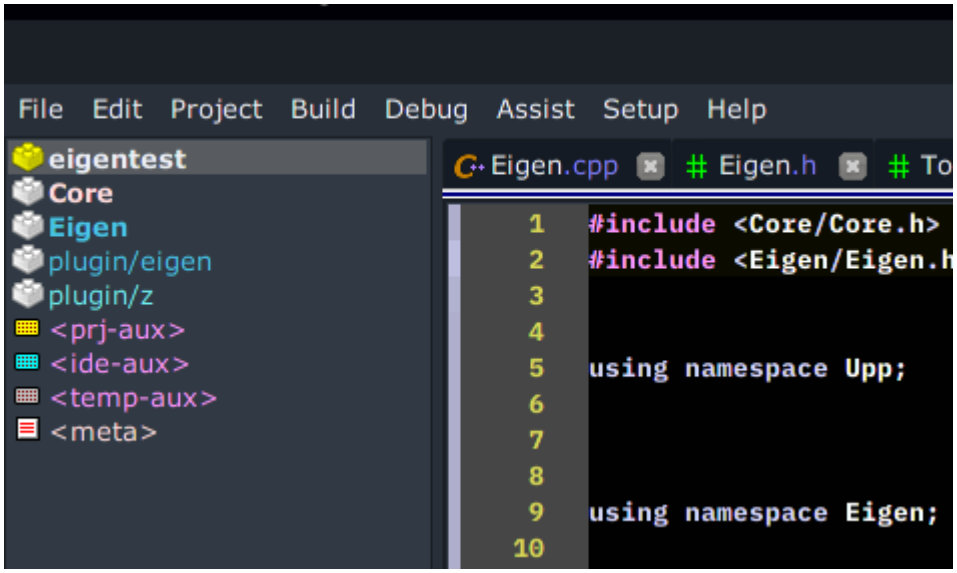
You need to add Eigen package to your project, not the plugin/eigen. The plugin is utilized by the Eigen package and it will be automatically added to your package when you select Eigen package.

E.g.:

```
#include <Core/Core.h>
#include <Eigen/Eigen.h>
```

Best regards,
Oblivion

File Attachments
1) Ekran Görüntüsü - 2021-12-12 09-51-05.png , downloaded 771 times


File Edit Project Build Debug Assist Setup Help
eigentest
Core
Eigen
plugin/eigen
plugin/z
<prj-aux>
<ide-aux>
<temp-aux>
<meta>
Eigen.cpp
Eigen.h
1 #include <Core/Core.h>
2 #include <Eigen/Eigen.h
3
4
5 using namespace Upp;
6
7
8
9 using namespace Eigen;
10