

## Fix problem when mex .cpp file

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Nam Bui Nguyen Hoai on 16 Oct 2013

Commented: Arunraj anil on 21 May 2018

Accepted Answer: Friedrich **STAFF**

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Hi all, I have problem when compile mex file.

```
>> mex GCOptimization.cpp
GCOptimization.cpp
c:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\INCLUDE\intrin.h(26) : fatal error C1083: Cannot open include file: 'ammintrin.h': No such file or directory
C:\PROGRAM~1\MATLAB\R2012B\BIN\MEX.PL: Error: Compile of 'GCOptimization.cpp' failed.
Error using mex (line 206) Unable to complete successfully. What is wrong? I have copy all cpp and .h "C:\Users\nambnh\Documents\MATLAB".
[EDITED, code formatted to clarify the line breaks]
```

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[Link](#)[ammintrin.m](#)

Hi,  
this is Microsoft Bug see [here](#).  
Since I am such a cool guy I attached the header ammintrin.h file which needs to be placed in "C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\INCLUDE". Please rename it from ammintrin.m to ammintrin.h because one cannot upload .h files.  
I hope that helps.

**15 Comments**[Show 12 older comments](#)Vasundhara Jain on 16 May 2017 

Thank you so much!

Sreeraj a on 21 Jun 2017 

Thanks !!! That was really Cool

Arunraj anil on 21 May 2018



Wonderful job man, You save my Day. Sooper Cool.

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## More Answers (4)



James Tursa **MVP** on 16 Oct 2013

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Looks like you have spaces in your paths. Rather than passing these arguments to the mex function via the command line "string" approach, try using the function call syntax instead so you can explicitly separate arguments even if they have spaces. And don't put your header .h files in the argument list ... they should already be included in your source code. Also I am not sure why you apparently list the same source file twice.

**1 Comment**



Jan **MVP** on 16 Oct 2013



@James: After formatting the question, it gets clear, that the source file was not listed twice. Formatting is such useful that I cannot understand, why so many new comers do not use the power or at least ask how to use it. Is it not usual to read a question after one has posted it?

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izem on 16 Sep 2016

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Thank you It worksssssssssss

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Néstor Rodríguez on 6 Dec 2016

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Thank you for all! It's works correctly!

**0 Comments**

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Shubham Pachori on 29 Jun 2017

Edited: Walter Roberson **MVP** on 29 Jun 2017

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 Link

```

Error using mex
gco_matlab.cpp
C:\Users\***\gco-v3.0\matlab\gco_matlab.cpp(8)
: error C2371: 'mw Size': redefinition; different basic types
c:\program files\matlab\r2016a\extern\include\mw_types.h(795) : see
declaration of 'mw Size'
C:\Users\***\gco-v3.0\matlab\gco_matlab.cpp(9)
: error C2371: 'mw Index': redefinition; different basic types
c:\program files\matlab\r2016a\extern\include\mw_types.h(796) : see
declaration of 'mw Index'
Error in GCO_BuildLib (line 68)
eval(mexcmd); % compile and link in one step
Error in GCO_UnitTest (line 48)
GCO_BuildLib; disp('BuildLib PASSED');
Hi I am unable to compile gco library in MATLAB2016a in w indow s. Could someone please help and explain me to get rid of this error?

```

 1 Comment



Walter Roberson **MVP** on 29 Jun 2017



Looking at those messages, it appears to me that on line 8 of `gco_matlab.cpp` that it attempts to define `mw Size` and on line it attempts to define `mw Index`, but that those are already defined by the `mw_types.h` header file. If I am correct, then comment out the typedef at lines 8 and 9 of `gco_matlab.cpp`  
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