**Using the Mex Compiler under Matlab**

Florian Raudies

**Abstract.**

A brief description on how to use the mex compiler within Matlab.

When compiling multiple files with include dependencies walk the dependency tree backwards. For instance, if your c-file a.c depends on b.c and b.c depends on d.c then call the mex compiler as follows:

mex -v a.c b.c d.c

If your header files reside in a different directory, then use the include directive –I for the compiler to find them. For instance, if your header file for imagelib.c is in the folder ‘C:\headers’ then use the command for the mex compiler:

mex -v -I"C:\headers" nearestInterp2.c imagelib.c