

Instructions for Compiling GiPSi (v.1.0.15_15092005) using Visual Studio .NET 2003

1. Intel Math Kernel Libraries
 - a. Copy the Intel Math Kernel Libraries License File to C:\Program Files\Common Files\Intel\License\
 - b. Install Intel Math Kernel Libraries to C:\Program Files\Intel, with registering PATH, LIB, and INCLUDE Environment Variables option selected
 - c. You may also use "C:\Program Files\Intel\MKL72\tools\environment\mlkvars32.bat" for environment variable settings.
2. POSIX Threads
 - a. Download POSIX Threads library from: <http://sources.redhat.com/pthreads-win32/>
 - b. Copy "pthreadVC2.lib" into the directory "C:\Program Files\Microsoft Visual Studio .NET 2003\Vc7\lib"
 - c. Copy "pthreadVC2.dll" into the directory "C:\Windows\System32\"
 - d. Copy "pthread.h", "sched.h", "semaphore.h" into the directory "C:\Program Files\Microsoft Visual Studio .NET 2003\Vc7\include"
3. GLUT
 - a. Download GLUT libraries from: <http://www.opengl.org/resources/libraries/glut.html>
 - b. Copy "glut.h" into the directory "C:\Program Files\Microsoft Visual Studio .NET 2003\Vc7\include\GL"
 - c. Copy "glut32.lib" into the directory "C:\Program Files\Microsoft Visual Studio .NET 2003\Vc7\lib"
 - d. Copy "glut32.dll" into the directory "C:\Windows\System32\"
4. Visual Studio Settings
 - a. Start Visual Studio
 - b. Tools->Options->Projects->VC++ Directories
 - c. Select Include Files, Add "C:\Program Files\Intel\MKL72\include"
 - d. Select Library Files, Add "C:\Program Files\Intel\MKL72\ia32\lib"

Other Notes:

Make sure that in GiPSi Solution Properties, the following settings are used for "All Configurations":

1. "ALGEBRA_USE_CBLAS" and "WIN32" are defined in Configuration Properties -> C/C++ -> Preprocessor -> Preprocessor Definitions.
2. "..\Common" is included in Configuration Properties -> C/C++ -> General -> Additional Include Directories.
3. "mkl_c.lib pthreadVC1.lib glut32.lib glu32.lib opengl32.lib odbcc32.lib odbccp32.lib" are included in Configuration Properties -> Linker -> Input -> Additional Dependencies.
4. Proper project file (e.g. "projects/cylbioe.prj") is specified in Configuration Properties -> Debugging -> Command Parameters.