**A few updates:**

1. **Visual Studio 2015**

In Visual studio 2015 projects, both solution configurations **Release** and **Release\_Single** were based on the original Visual studio “Release” configuration, but **Release\_Single** is to create \*\_RS.bin or \*\_RS.exe files for single precision floating data, while **Release** is to create \*\_RD.bin or \*\_RD.exe files for double precision. For example, the project GPU2DGaussFit.sln outputs **GPU2DGaussFit\_RS.mexw64** for single precision or **GPU2DGaussFit\_RD.mexw64** for double precision.

1. **Matlab** **v2016a**
2. **CUDA** **v8.0 (Note: newer versions will not support compute capability 2.0 devices)**
3. **GPU-LMFit library** (The files **\*\_RD.\*** for double precision floating data type, while **\*\_RS.\*** for single).

**Note:**

To be able to compile the project GPU2DGaussFit.sln directly in Visual studio 2015, both Matlab v2016a and CUDA v8.0 must be installed properly, and the “Additional include/library directories” in the project configurations must be changed according to the locations of both software in your system.

To allow opening the Visual Studio solution with different version CUDA, the setting for CUDA in “Build Dependences → Build Customizations” was removed from each project. To compile the solution, users should first add the mentioned CUDA setting to each project.