# Setup

* Ensure MATLAB is installed.
* Ensure a compatible C++ compiler is installed (either Visual Studio or MATLAB Support for MinGW-w64 C/C++ Compiler addon).
* Follow the instructions at <https://www.mathworks.com/help/matlab/matlab_external/choose-c-or-c-compilers.html>, and in the command window, to set the default compiler for C++.
* Clone the repository from <https://github.com/wwarriner/casting_geometric_toolsuite> and ensure it is in its own folder.
* Follow the instructions in “<repository\_folder>/doc/Installation Instructions.docx” for installing Anaconda.

# Build

* Navigate to the repository folder on your local machine in the MATLAB file explorer.
* Type “extend\_search\_path” in the command window.
* Type “build\_standalone\_cli” in the command window.
* The folder “target” should appear in the file explorer during this process.
* The last part of the build process is a semi-automated test. You should see a command window open along with text describing processing steps for the built application. Following that, Paraview should open along with an example display showing feeders on a geometry.

# Deploy

* The zip file should contain everything a user needs to install and run the application on their end.
* Point the user to the “doc/Installation Instructions.docx” document to help them get set up.