VeloView Developer Guide

Software developer documentation for the VeloView application and libraries

Version: 1.0.5

Table of Contents

1   Build instructions

1.1   Superbuild overview

1.2   Getting the source code

You'll use git to checkout the VeloView source code repository. The software is hosted on GitHub. The checkout command is:

```
git clone git://github.com/patmarion/veloview-superbuild.git
```

1.3 External dependencies

The VeloView application and libraries have several external library dependencies. As explained in the Superbuild overview, the dependencies will be downloaded and compiled automaticaly during the build step. See Configure and build instructions.

1.3.1 pcap

1.3.2 Boost

1.3.3 Qt

1.3.4 Python

1.3.5 PythonQt

1.3.6 VTK and ParaView

1.4 Configure and build instructions

The build requires cmake:

```
mkdir build
cd build
cmake ../veloview-superbuild
```

1.5 Packaging

1.5.1 Packaging for MacOSX

1.5.2 Packaging for Windows

2 Developer Guide

2.1 Source code organization

2.2 ParaView plugin

2.3 VTK readers

2.4 VeloView application

2.5 Python implementation

2.6 PythonQt