SIGRun

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1 File Index 1

1.1 File List . . . 1

2 File Documentation 3

2.1 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/debug/Print.cpp File Reference . . . 3

2.2 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/PySI.cpp File Reference . . . 3

2.2.1 Function Documentation . . . 3

2.2.1.1 BOOST_PYTHON_MODULE() . . . 4

2.3 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/PySIEffect.cpp File Reference . . . 4

2.4 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/PySIStartup.cpp File Reference . . . 4

2.5 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/SIGRun.cpp File Reference . . . 5

2.6 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/Context.cpp File Reference 5

2.6.1 Macro Definition Documentation . . . 5

2.6.1.1 NEW_REGIONS_PER_FRAME . . . 6

2.7 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/CollisionManager.cpp File Reference . . . 6

2.8 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/ExternalApplicationManager.cpp File Reference . . . 6

2.9 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/helpers/input/ExternalObject.cpp File Reference . . . 6

2.10 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/helpers/input/FileSystem.cpp File Reference . . . 7

2.11 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/helpers/linking/Link.cpp File Reference . . . 7

2.12 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/InputManager.cpp File Reference . . . 7

2.13 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/LinkingManager.cpp File Reference . . . 8

2.14 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/RegionManager.cpp File Reference . . . 8

2.15 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/Core.cpp File Reference . . . 9

2.16 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/log/Log.cpp File Reference . . . 9

2.17 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/parallel/Job.cpp File Reference . 9

2.18 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/PluginCollector.cpp File Reference . . . 10

2.19 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/Scripting.cpp File Reference 10

2.19.1 Function Documentation . . . 11

2.19.1.1 operator<<() . . . 11

2.20 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/Region.cpp File Reference 11

2.21 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/RegionMask.cpp File Reference . . . 12

2.22 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/RegionResampler.cpp File Reference . . . 12

2.23 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/RegionTransform.cpp File Reference . . . 13

2.24 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/background/UpdateWorker.cpp File Reference 13

2.25 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/region/RegionRepresentation.cpp File Reference 13

2.26 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/RenderEngineQt5.cpp File Reference 14

2.27 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/window/MainWindow.cpp File Reference 14

Index **15**

Chapter 1

File Index

1.1 File List

Here is a list of all files with brief descriptions:

/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/SIGRun.cpp 5
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/debug/Print.cpp 3
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/PySI.cpp 3
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/PySIEffect.cpp 4
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/PySIStartup.cpp 4
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/Core.cpp 9
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/Context.cpp 5
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/CollisionManager.cpp 6
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/ExternalApplicationManager.cpp 6
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/InputManager.cpp 7
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/LinkingManager.cpp 8
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/RegionManager.cpp 8
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/helpers/input/ExternalObject.cpp 6
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/helpers/input/FileSystem.cpp 7
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/helpers/linking/Link.cpp 7
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/log/Log.cpp 9
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/parallel/Job.cpp 9
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/PluginCollector.cpp 10
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/Scripting.cpp 10
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/Region.cpp 11
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/RegionMask.cpp 12
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/RegionResampler.cpp 12
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/RegionTransform.cpp 13
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/RenderEngineQt5.cpp 14
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/background/UpdateWorker.cpp 13
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/region/RegionRepresentation.cpp 13
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/window/MainWindow.cpp 14

Chapter 2

File Documentation

2.1 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/debug/Print.cpp File Reference

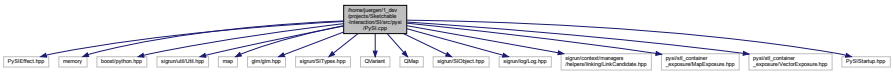
```
#include "Print.hpp"
```

Include dependency graph for Print.cpp:

2.2 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/PySI.cpp File Reference

```
#include "PySIEffect.hpp"
#include "pysi/stl_container_exposure/MapExposure.hpp"
#include "pysi/stl_container_exposure/VectorExposure.hpp"
#include "PySIStartup.hpp"
```

Include dependency graph for PySI.cpp:



Functions

- BOOST_PYTHON_MODULE (libPySI)

2.2.1 Function Documentation

2.2.1.1 BOOST_PYTHON_MODULE()

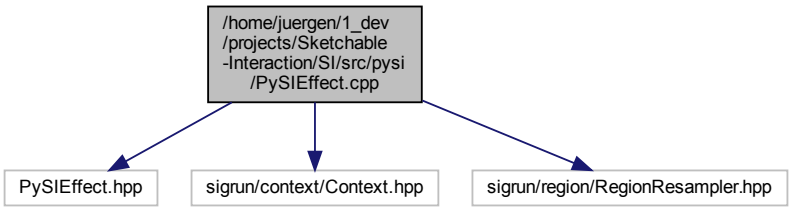
```
BOOST_PYTHON_MODULE (
            libPySI  )
```

Definition at line 7 of file PySI.cpp.

2.3 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/PySIEffect.cpp File Reference

```
#include "PySIEffect.hpp"
#include <sigrun/context/Context.hpp>
#include <sigrun/region/RegionResampler.hpp>
```

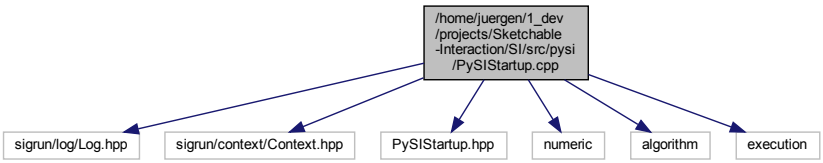
Include dependency graph for PySIEffect.cpp:



2.4 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/PySIStartup.cpp File Reference

```
#include <sigrun/log/Log.hpp>
#include <sigrun/context/Context.hpp>
#include "PySIStartup.hpp"
#include <numeric>
#include <algorithm>
#include <execution>
```

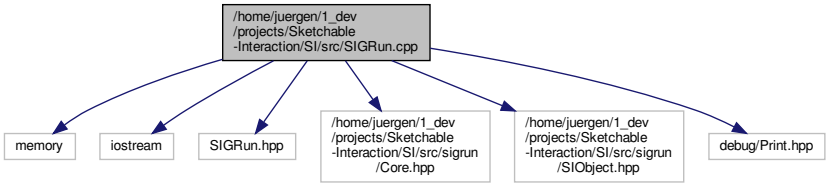
Include dependency graph for PySIStartup.cpp:



2.5 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/SIGRun.cpp File Reference

```
#include <memory>
#include <iostream>
#include "SIGRun.hpp"
#include "debug/Print.hpp"
```

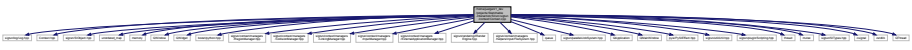
Include dependency graph for SIGRun.cpp:



2.6 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/Context.cpp File Reference

```
#include <sigrun/log/Log.hpp>
#include "Context.hpp"
#include <QApplication>
#include <QMainWindow>
#include <pysi/PySIEffect.hpp>
#include <sigrun/util/Util.hpp>
#include <sigrun/plugin/Scripting.hpp>
#include <thread>
#include <mutex>
#include <sigrun/SITypes.hpp>
#include <csignal>
#include <cstdlib>
#include <QThread>
```

Include dependency graph for Context.cpp:



Macros

- #define NEW_REGIONS_PER_FRAME 50

2.6.1 Macro Definition Documentation

2.6.1.1 NEW_REGIONS_PER_FRAME

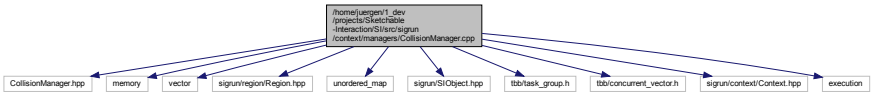
```
#define NEW_REGIONS_PER_FRAME 50
```

Definition at line 20 of file Context.cpp.

2.7 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/CollisionManager.cpp File Reference

```
#include "CollisionManager.hpp"
#include <sigrun/context/Context.hpp>
#include <execution>
```

Include dependency graph for CollisionManager.cpp:



2.8 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/ExternalApplicationManager.cpp File Reference

```
#include "ExternalApplicationManager.hpp"
#include <QProcess>
#include <QObject>
#include <sigrun/log/Log.hpp>
#include <sigrun/context/Context.hpp>
#include <sigrun/SIConstants.hpp>
```

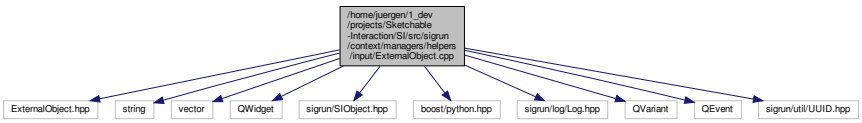
Include dependency graph for ExternalApplicationManager.cpp:

2.9 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/helpers/input/ExternalObject.cpp File Reference

```
#include "ExternalObject.hpp"
#include <sigrun/log/Log.hpp>
#include <QVariant>
#include <QEvent>
```

```
#include <sigrun/util/UUID.hpp>
```

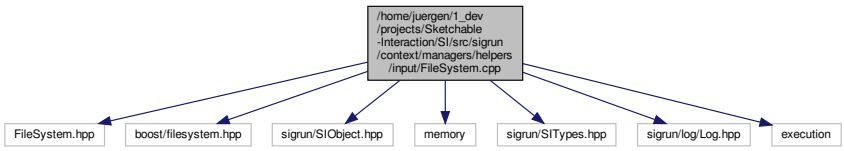
Include dependency graph for ExternalObject.cpp:



2.10 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/helpers/inpu FileSystem.cpp File Reference

```
#include "FileSystem.hpp"
#include <sigrun/log/Log.hpp>
#include <execution>
```

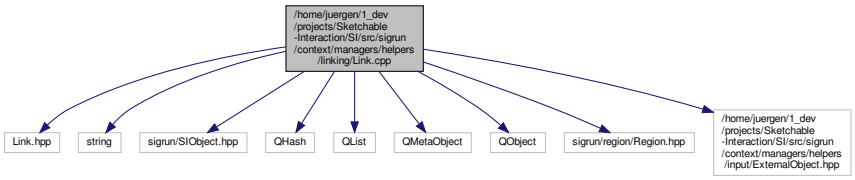
Include dependency graph for FileSystem.cpp:



2.11 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/helpers/linki Link.cpp File Reference

```
#include "Link.hpp"
```

Include dependency graph for Link.cpp:

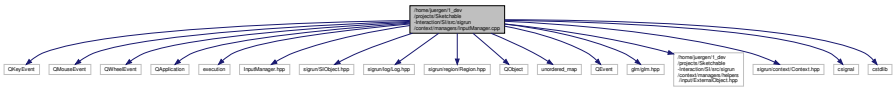


2.12 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/↩ InputManager.cpp File Reference

```
#include <QKeyEvent>
#include <QMouseEvent>
```

```
#include <QWheelEvent>
#include <QApplication>
#include <execution>
#include "InputManager.hpp"
#include <sigrun/context/Context.hpp>
#include <csignal>
#include <cstdlib>
```

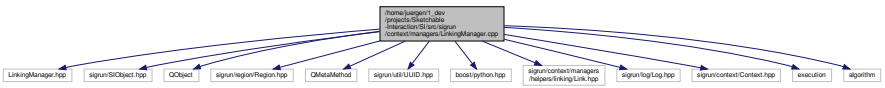
Include dependency graph for InputManager.cpp:



2.13 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/LinkingManager.cpp File Reference

```
#include "LinkingManager.hpp"
#include <sigrun/log/Log.hpp>
#include <sigrun/context/Context.hpp>
#include <execution>
#include <algorithm>
```

Include dependency graph for LinkingManager.cpp:



2.14 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/RegionManager.cpp File Reference

```
#include "RegionManager.hpp"
#include "../../log/Log.hpp"
#include <sigrun/context/Context.hpp>
#include <pysi/PySIEffect.hpp>
#include <sigrun/plugin/PythonInvoker.hpp>
#include <algorithm>
#include <execution>
```

Include dependency graph for RegionManager.cpp:

2.15 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/Core.cpp File Reference

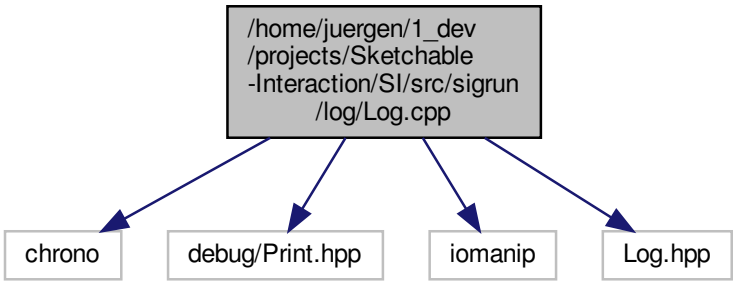
```
#include <sigrun/log/Log.hpp>
#include <sigrun/rendering/IRenderEngine.hpp>
#include "Core.hpp"
#include "sigrun/plugin/Scripting.hpp"
#include "sigrun/plugin/PluginCollector.hpp"
#include <algorithm>
#include <execution>
```

Include dependency graph for Core.cpp:

2.16 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/log/Log.cpp File Reference

```
#include <chrono>
#include <debug/Print.hpp>
#include <iomanip>
#include "Log.hpp"
```

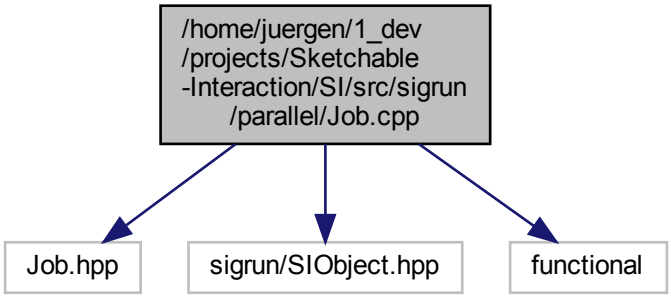
Include dependency graph for Log.cpp:



2.17 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/parallel/Job.cpp File Reference

```
#include "Job.hpp"
```

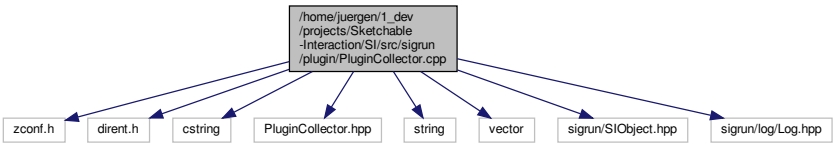
Include dependency graph for Job.cpp:



2.18 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/PluginCollector.cpp File Reference

```
#include <zconf.h>
#include <dirent.h>
#include <cstring>
#include "PluginCollector.hpp"
#include "sigrun/log/Log.hpp"
```

Include dependency graph for PluginCollector.cpp:

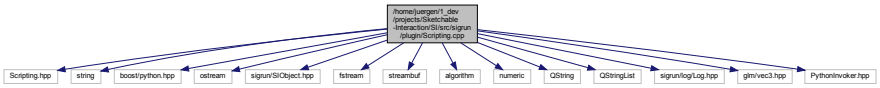


2.19 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/Scripting.cpp File Reference

```
#include "Scripting.hpp"
#include <fstream>
#include <streambuf>
#include <algorithm>
#include <numeric>
#include <QString>
#include <QStringList>
#include <sigrun/log/Log.hpp>
#include <glm/vec3.hpp>
```

```
#include "PythonInvoker.hpp"
```

Include dependency graph for Scripting.cpp:



Functions

- std::ostream & operator<< (std::ostream &os, const Scripting &scripting)

2.19.1 Function Documentation

2.19.1.1 operator<<()

```
std::ostream& operator<< (
            std::ostream & os,
            const Scripting & scripting )
```

Definition at line 101 of file Scripting.cpp.

2.20 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/Region.cpp File Reference

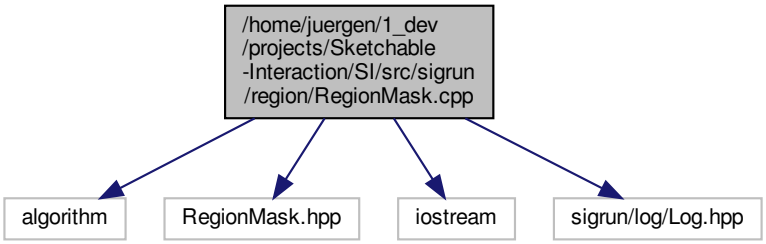
```
#include "sigrun/plugin/PythonInvoker.hpp"
#include "Region.hpp"
#include "RegionResampler.hpp"
#include <sigrun/log/Log.hpp>
#include <sigrun/util/UUID.hpp>
#include <sigrun/context/Context.hpp>
```

Include dependency graph for Region.cpp:

2.21 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/RegionMask.cpp File Reference

```
#include <algorithm>
#include "RegionMask.hpp"
#include <iostream>
#include <sigrun/log/Log.hpp>
```

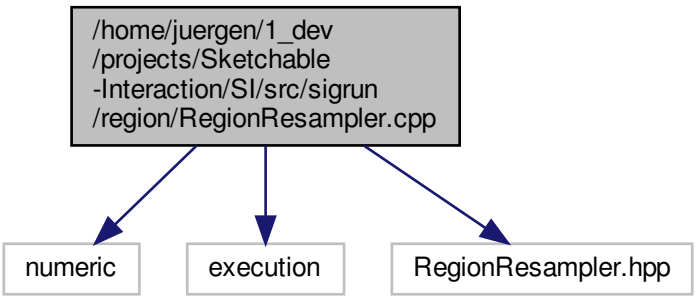
Include dependency graph for RegionMask.cpp:



2.22 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/RegionResampler.cpp File Reference

```
#include <numeric>
#include <execution>
#include "RegionResampler.hpp"
```

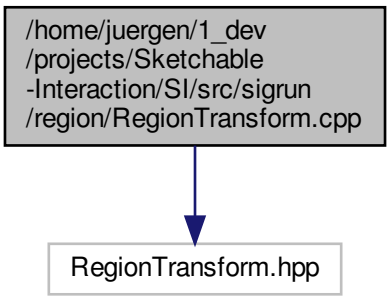
Include dependency graph for RegionResampler.cpp:



2.23 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/RegionTransform.cpp File Reference

```
#include "RegionTransform.hpp"
```

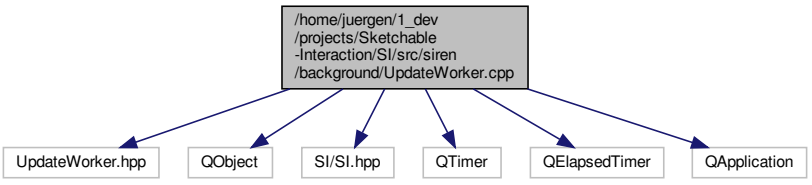
Include dependency graph for RegionTransform.cpp:



2.24 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/background/UpdateWorker.cpp File Reference

```
#include "UpdateWorker.hpp"
#include <QApplication>
```

Include dependency graph for UpdateWorker.cpp:



2.25 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/region/RegionRepresentation.cpp File Reference

```
#include "RegionRepresentation.hpp"
#include <QLayout>
#include <execution>
#include <algorithm>
#include <numeric>
```

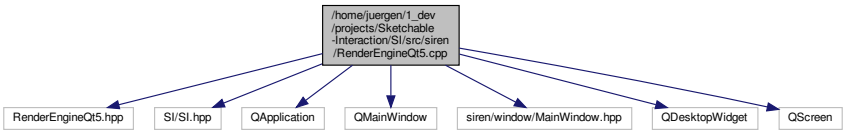
```
#include <thread>
#include <QQmlContext>
#include <QQmlProperty>
```

Include dependency graph for RegionRepresentation.cpp:

2.26 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/RenderEngine↩ Qt5.cpp File Reference

```
#include "RenderEngineQt5.hpp"
#include <QDesktopWidget>
#include <QScreen>
```

Include dependency graph for RenderEngineQt5.cpp:



2.27 /home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/window/Main↩ Window.cpp File Reference

```
#include "MainWindow.hpp"
#include <QPaintEvent>
#include <QDebug>
#include <execution>
```

Include dependency graph for MainWindow.cpp:

Index

/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/SIGRun.cpp, 5
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/debug/Print.cpp, 3
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/PySI.cpp, 3
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/PySIEffect.cpp, 4
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/pysi/PySIStartup.cpp, 4
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/Core.cpp, 9
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/Context.cpp, 5
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/CollisionManager.cpp, 6
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/ExternalApplicationManager.cpp, 6
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/InputManager.cpp, 7
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/LinkingManager.cpp, 8
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/RegionManager.cpp, 8
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/helpers/input/ExternalObject.cpp, 6
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/helpers/input/FileSystem.cpp, 7
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/context/managers/helpers/linking/Link.cpp, 7
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/log/Log.cpp, 9
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/parallel/Job.cpp, 9
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/PluginCollector.cpp, 10
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/plugin/Scripting.cpp, 10
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/Region.cpp, 11
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/RegionMask.cpp, 12
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/RegionResampler.cpp, 12
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/sigrun/region/RegionTransform.cpp, 13
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/RenderEngineQt5.cpp, 14
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/background/UpdateWorker.cpp, 13
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/region/R
/home/juergen/1_dev/projects/Sketchable-Interaction/SI/src/siren/window/I
BOOST_PYTHON_MODULE
PySI.cpp, 3
Context.cpp
NEW_REGIONS_PER_FRAME, 5
NEW_REGIONS_PER_FRAME
Context.cpp, 5
operator<<
Scripting.cpp, 11
PySI.cpp
BOOST_PYTHON_MODULE, 3
Scripting.cpp
operator<<, 11