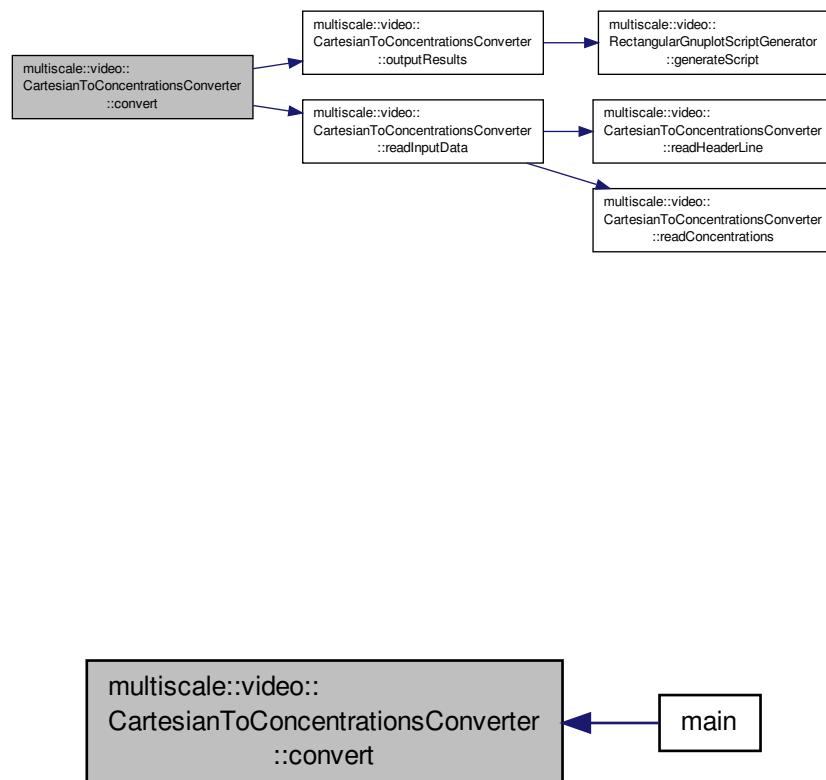
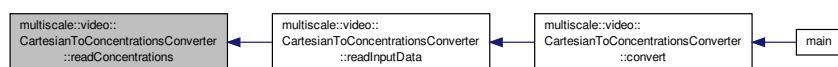
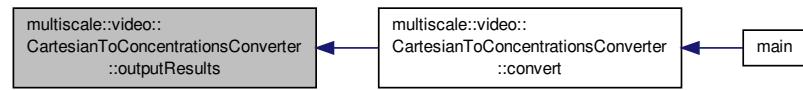
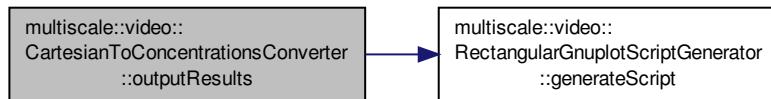
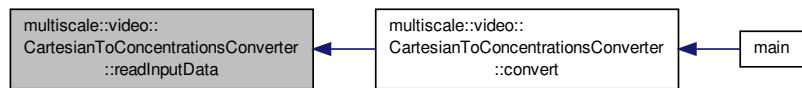
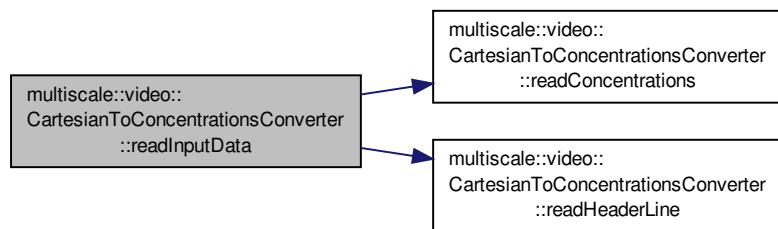


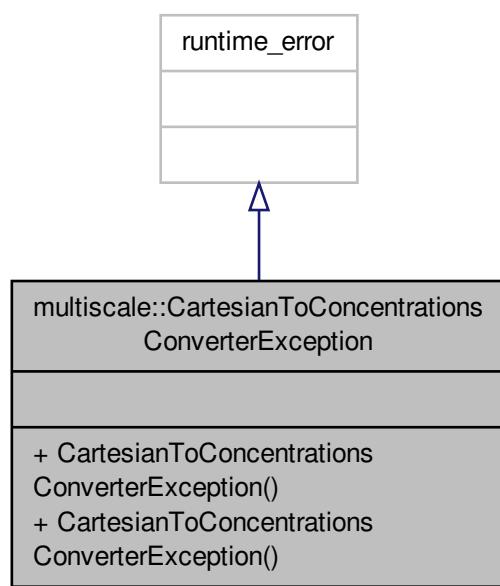
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- startingRadius
- endingRadius
- startingAngle
- endingAngle
- concentration
+ AnnularSector()
+ ~AnnularSector()
+ initialise()
+ getConcentration()
+ getEndingAngle()
+ getEndingRadius()
+ getStartingAngle()
+ getStartingRadius()
+ toString()

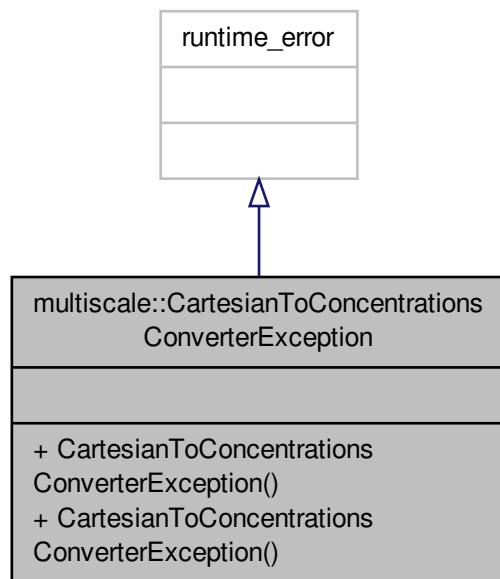
multiscale::video:: CartesianToConcentrationsConverter
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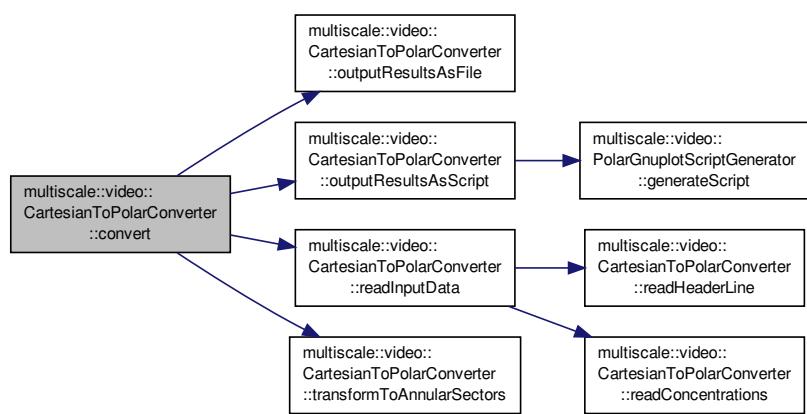


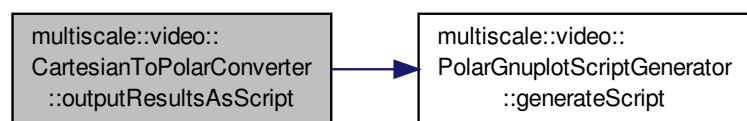
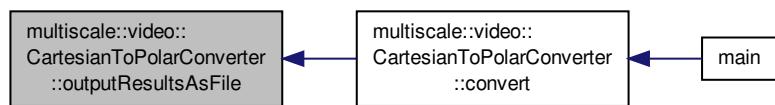
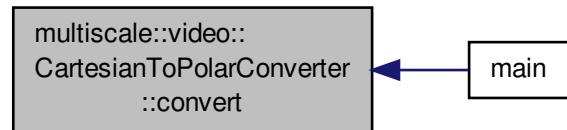


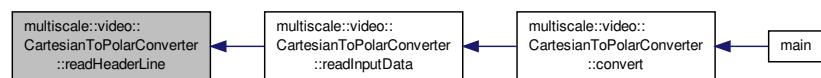
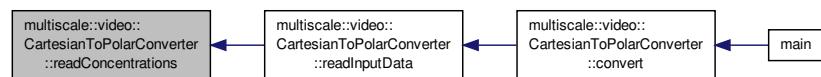
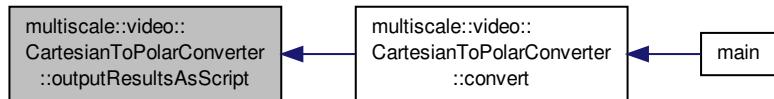


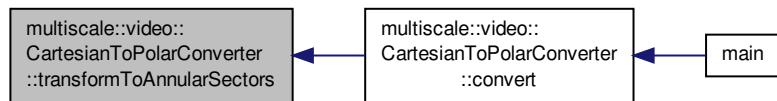
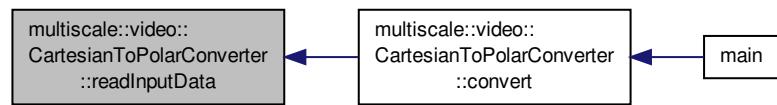
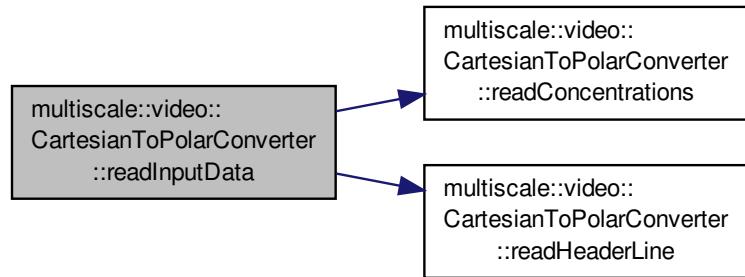


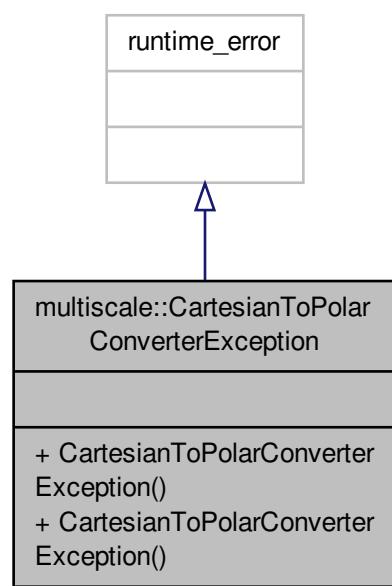
multiscale::video::
CartesianToPolarConverter
- annularSectors
- concentrations
- nrOfConcentricCircles
- nrOfSectors
- simulationTime
- inputfilepath
- outputfilepath
+ CartesianToPolarConverter()
+ ~CartesianToPolarConverter()
+ convert()
- readInputData()
- readHeaderLine()
- readConcentrations()
- transformToAnnularSectors()
- outputResultsAsFile()
- outputResultsAsScript()

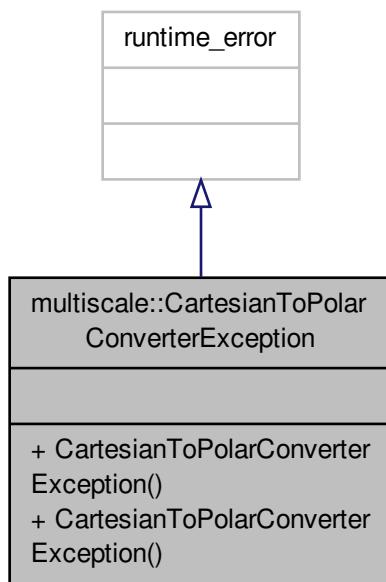


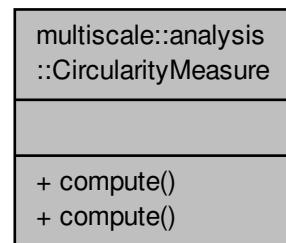


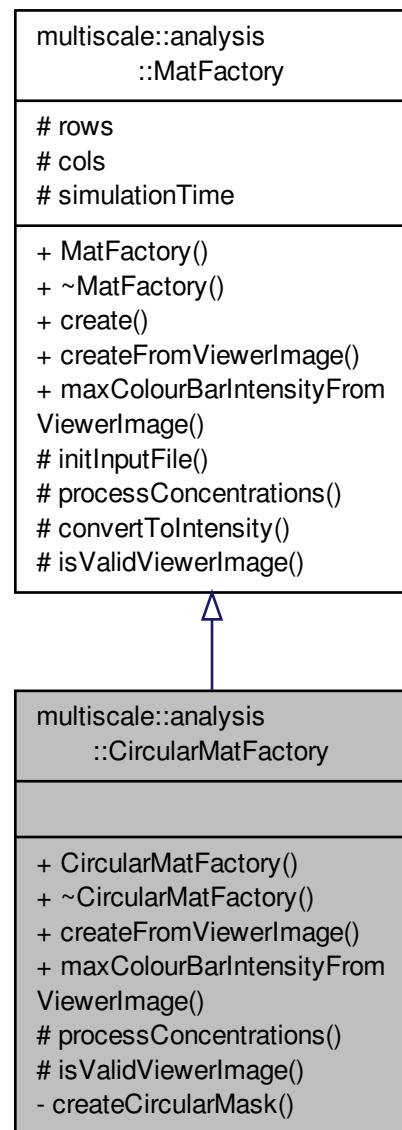


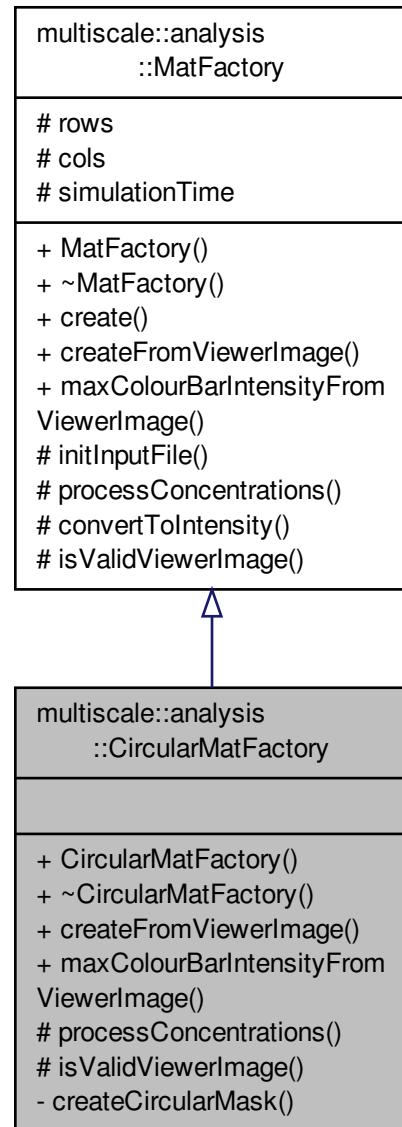


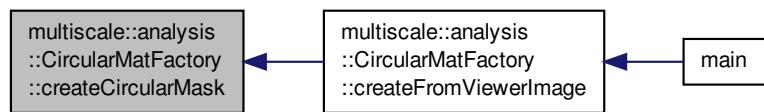


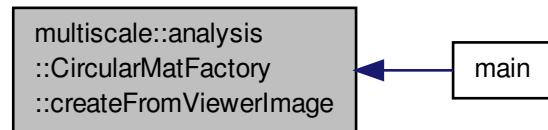
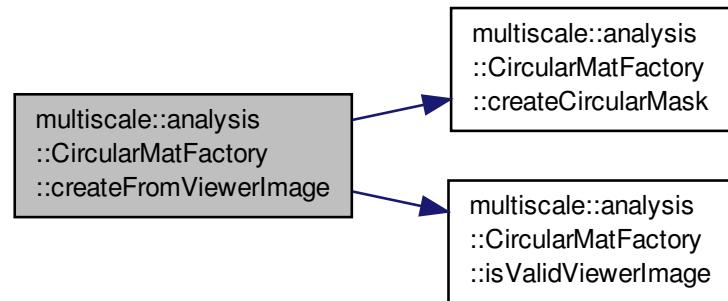


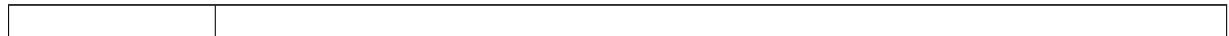
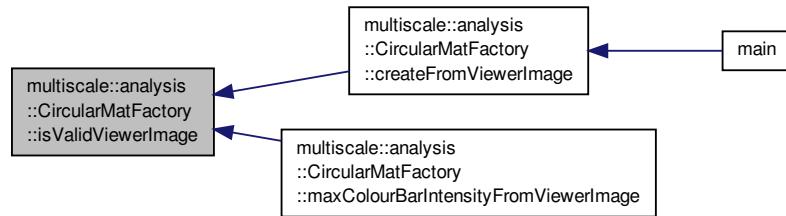


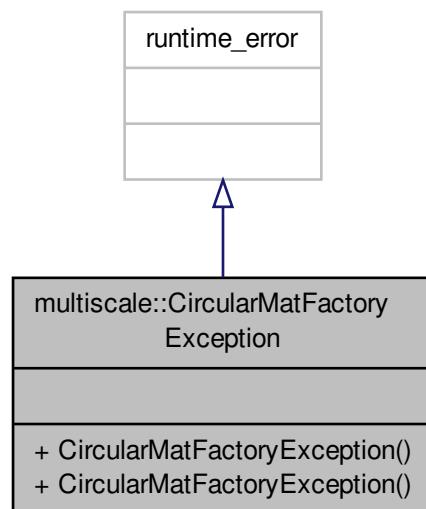
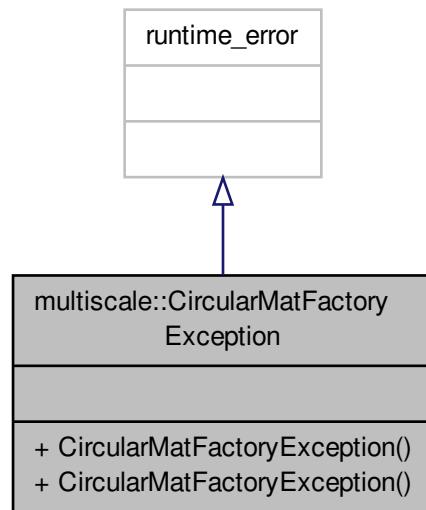


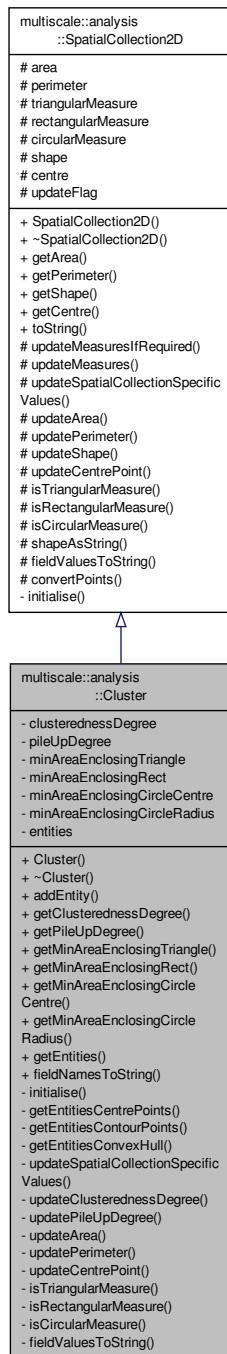


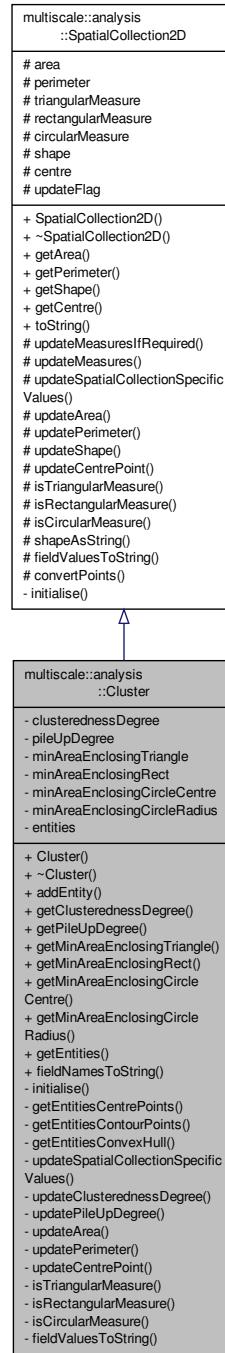


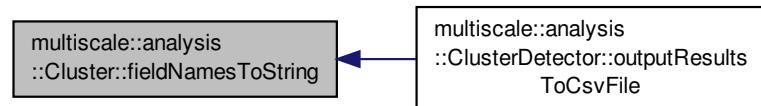
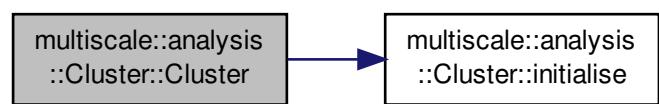


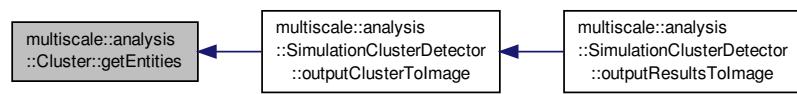
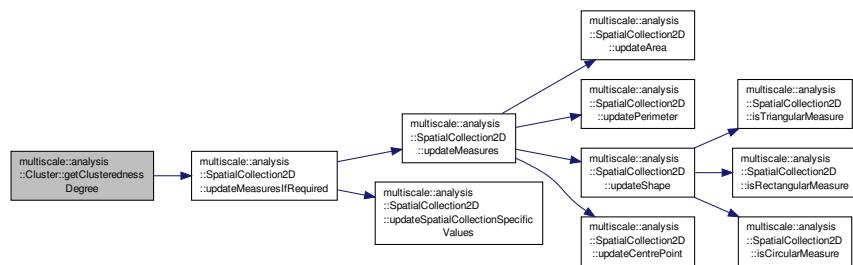
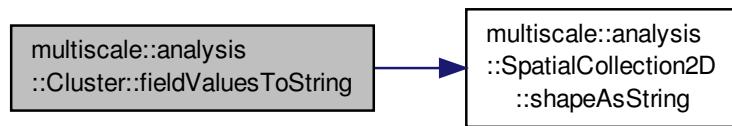


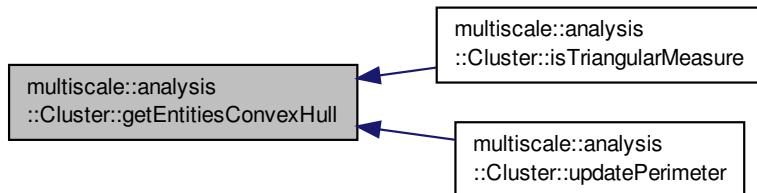
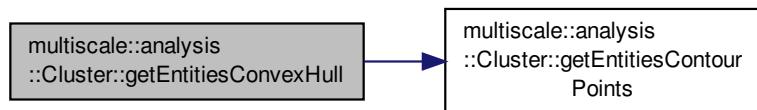
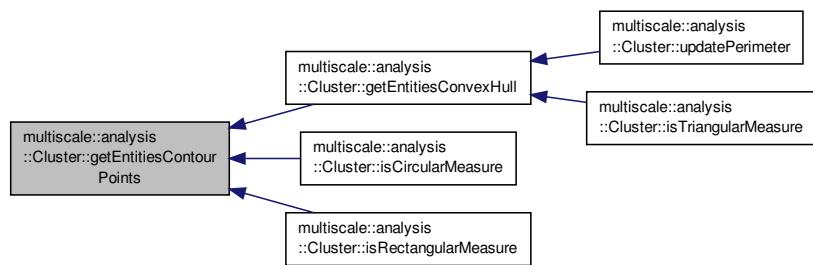


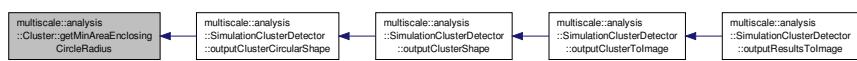
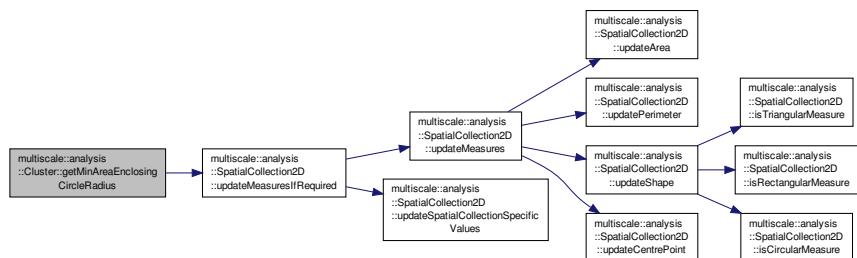
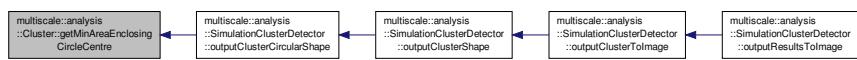
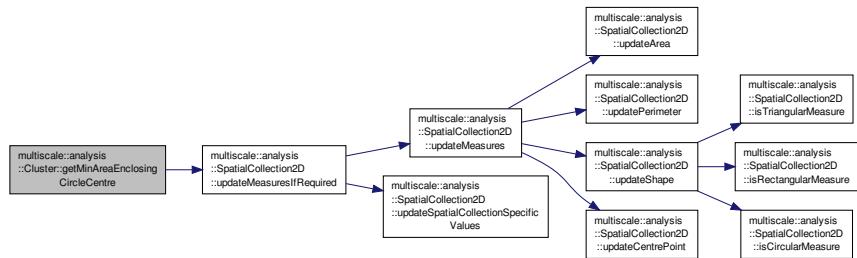


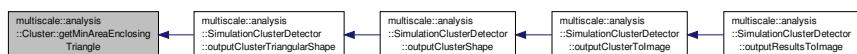
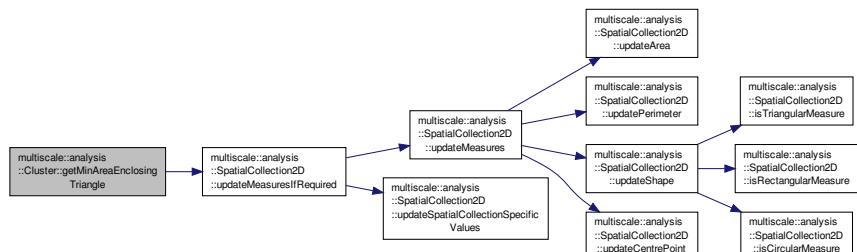
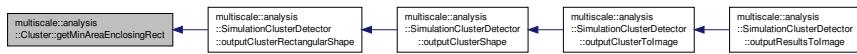
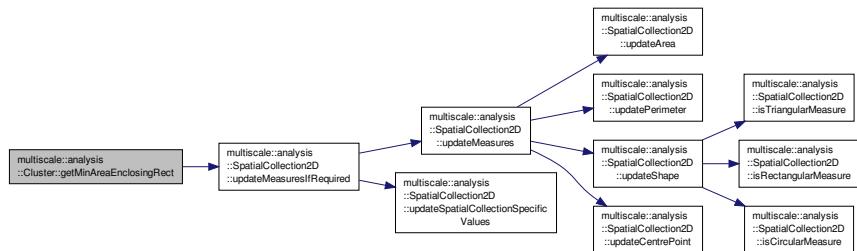


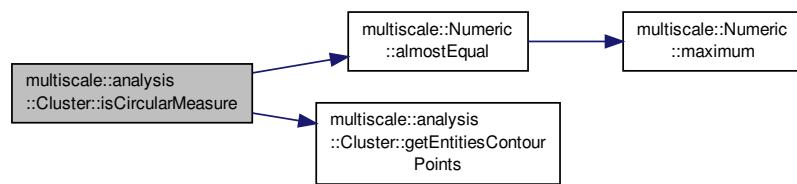
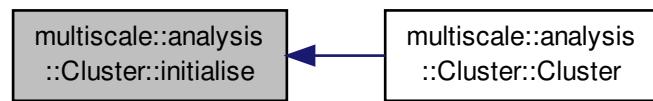
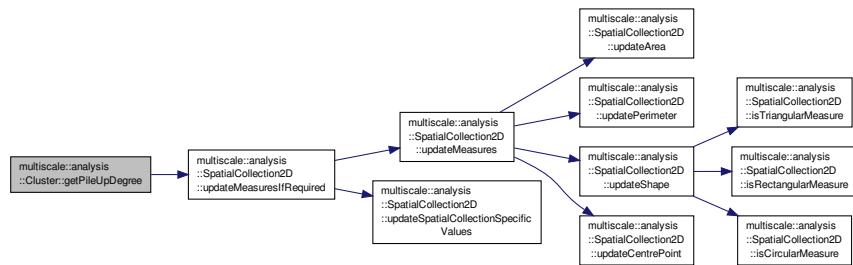


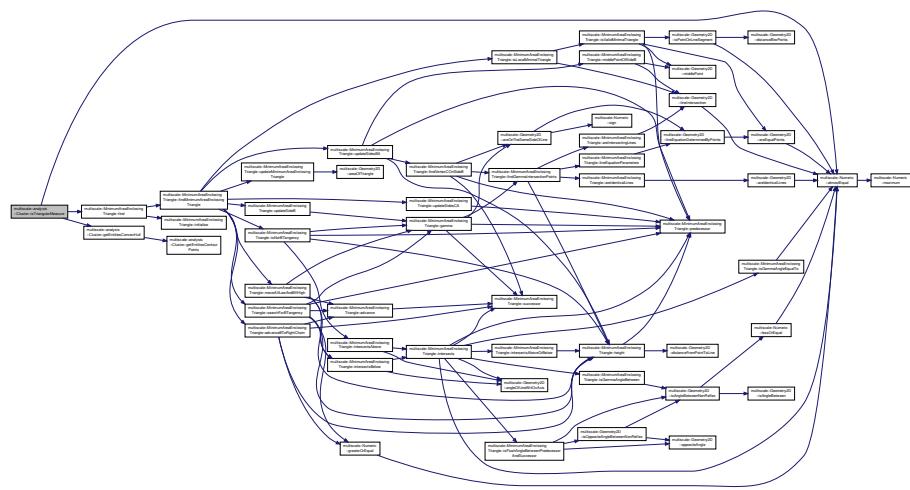
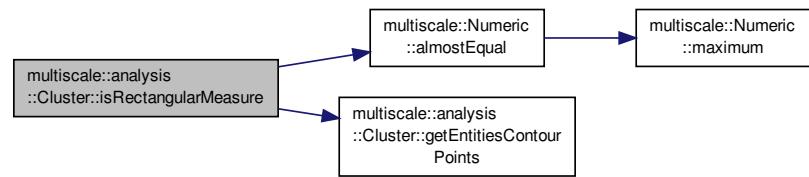


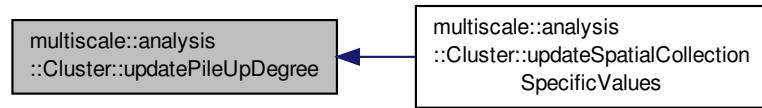
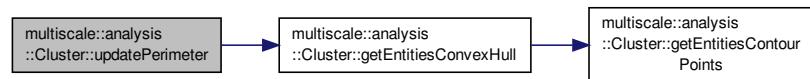
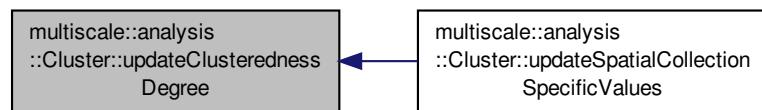


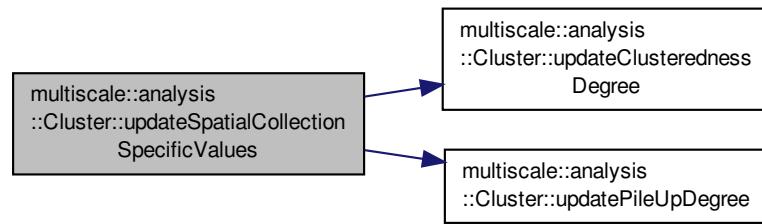


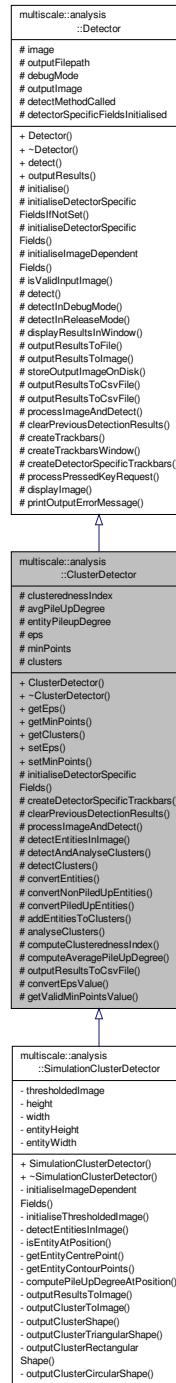


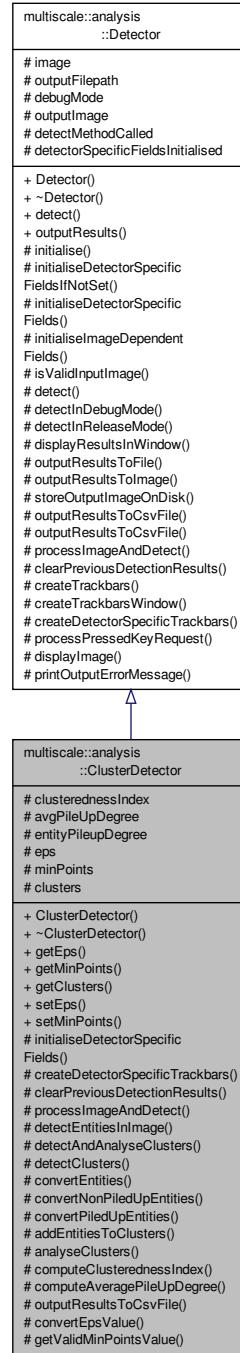


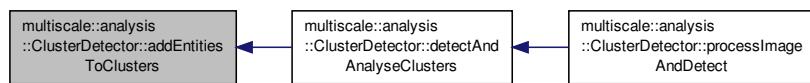


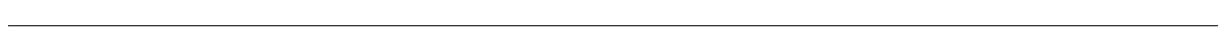
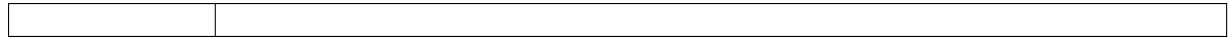
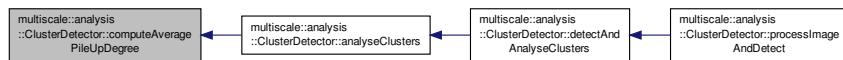
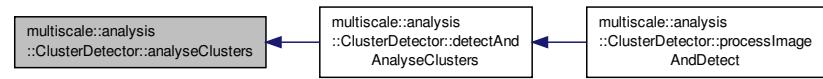
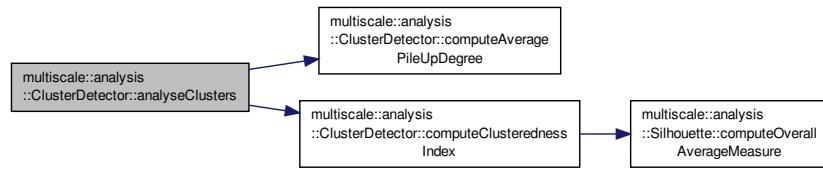


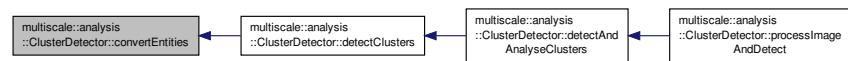
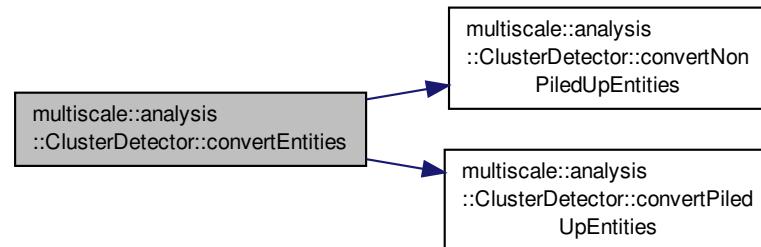
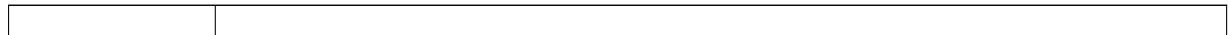


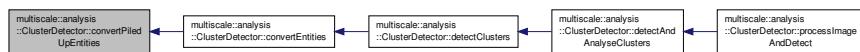
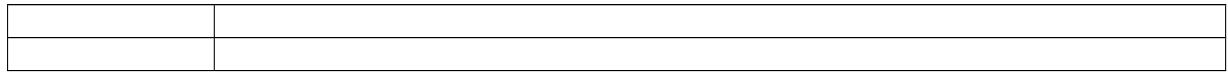
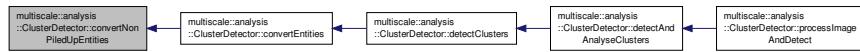
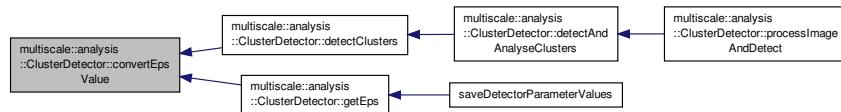


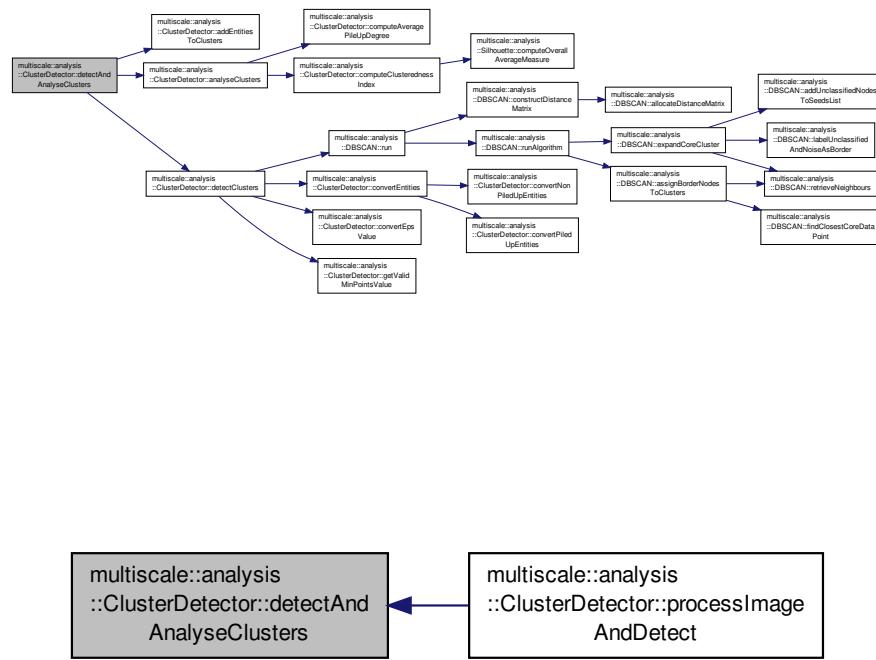


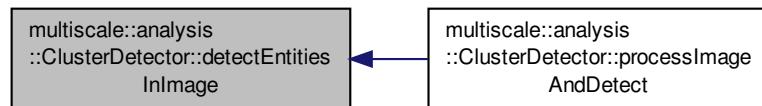
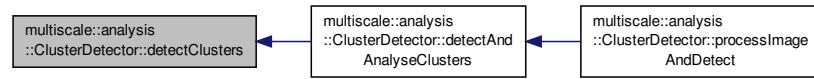
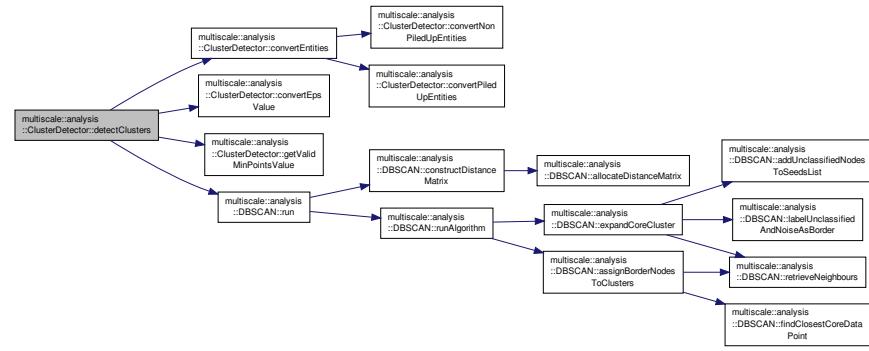


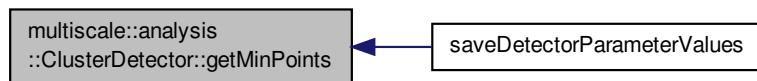
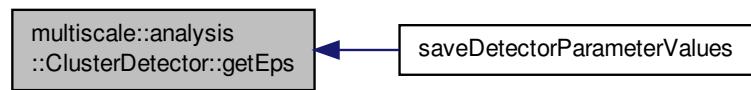
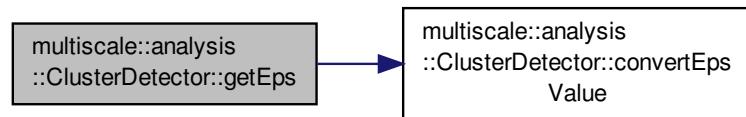


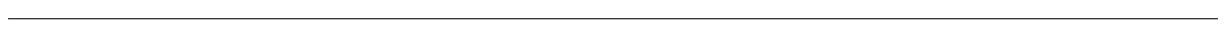
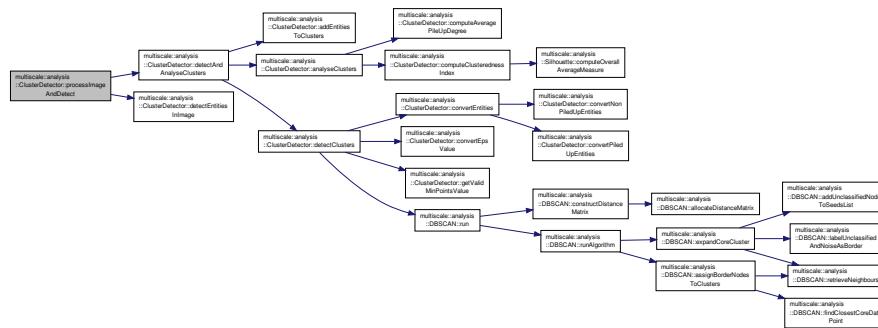
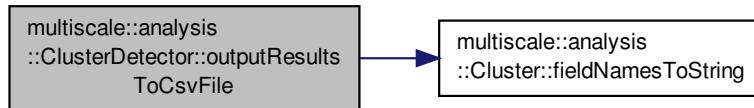
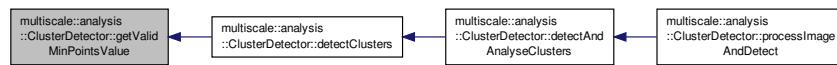


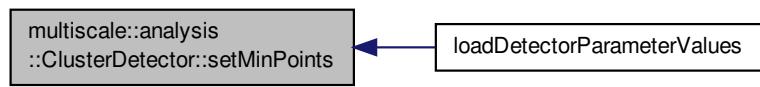
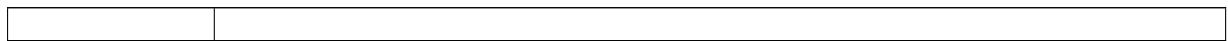
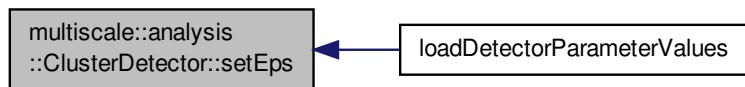


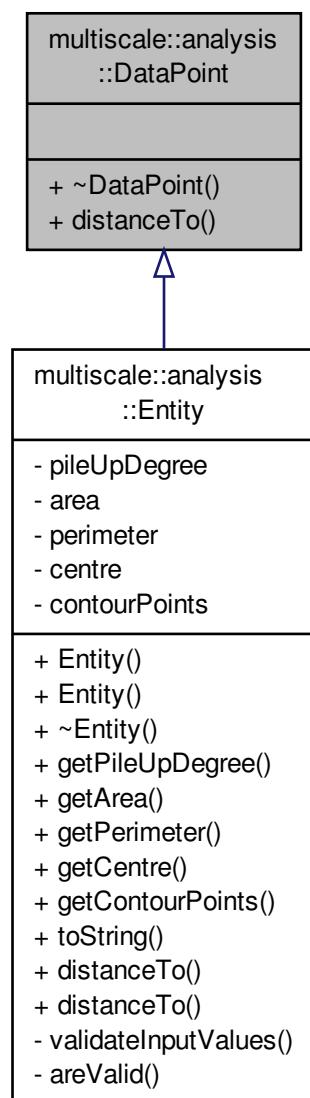


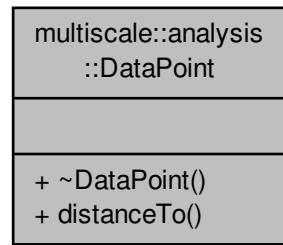


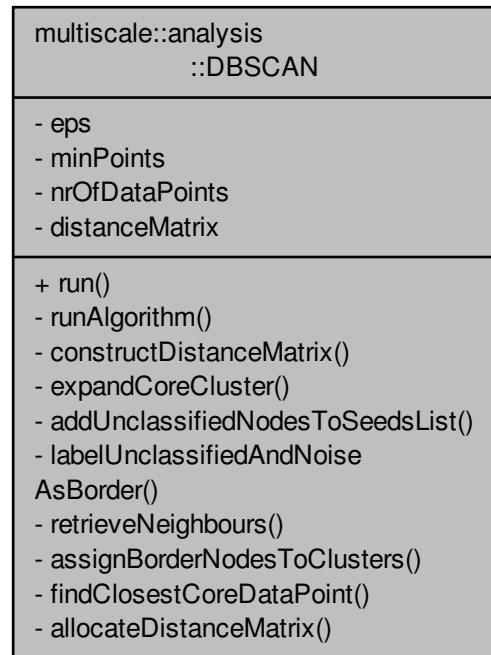


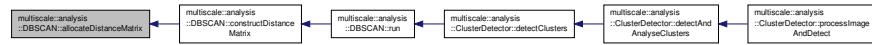


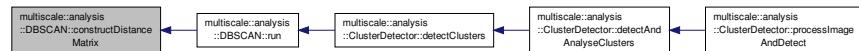
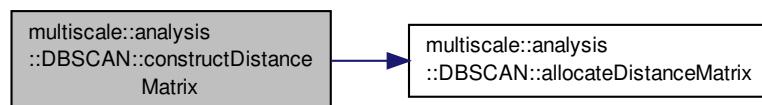
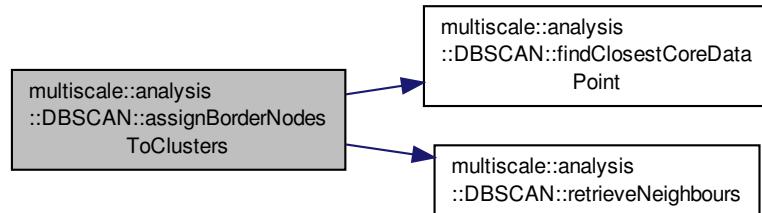


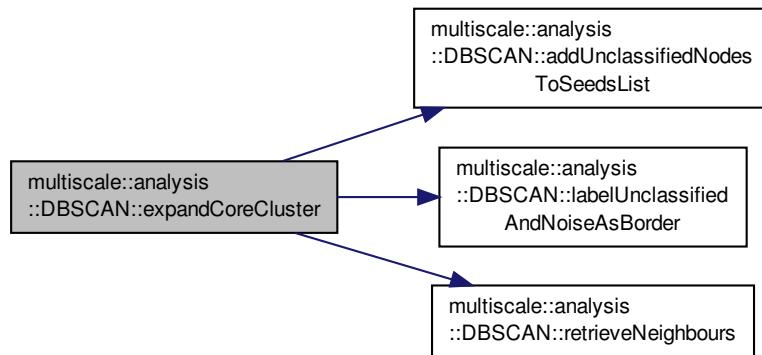






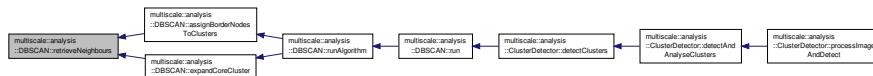


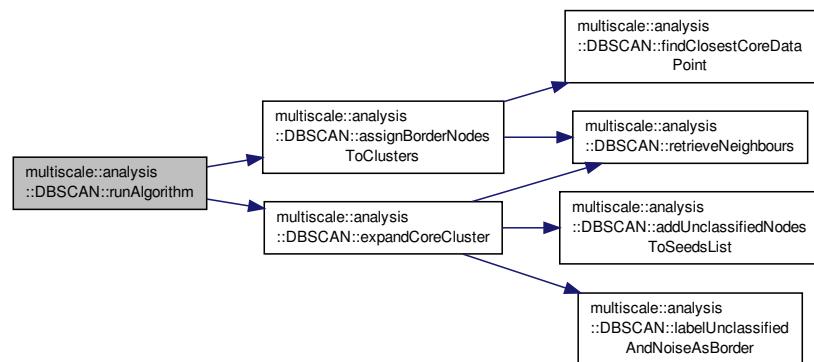
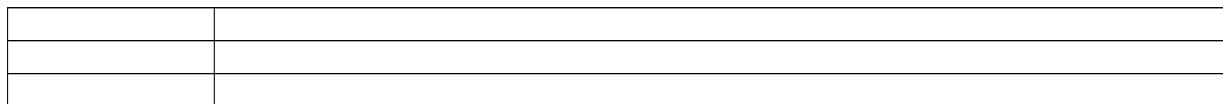
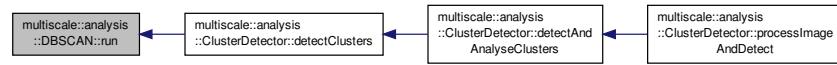
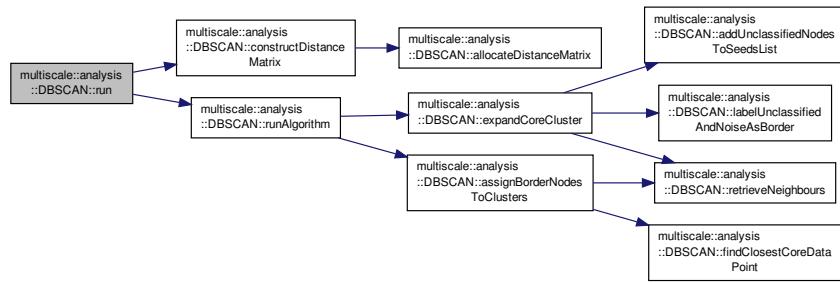


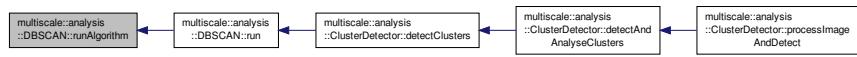


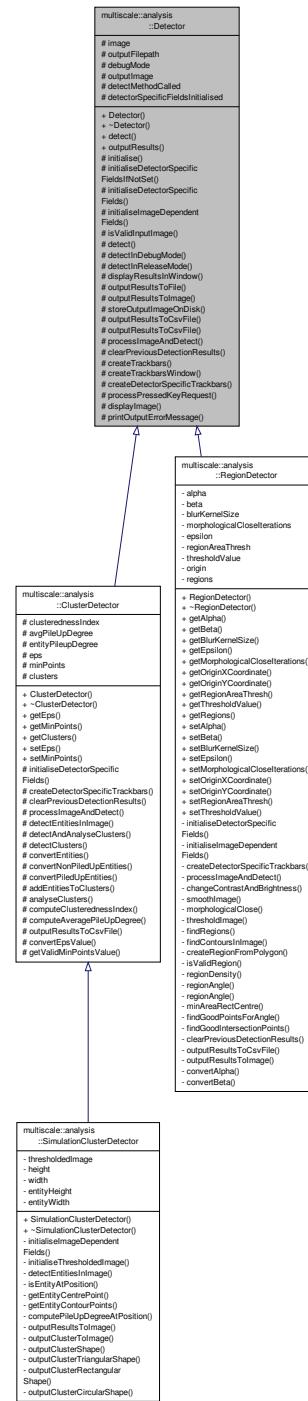




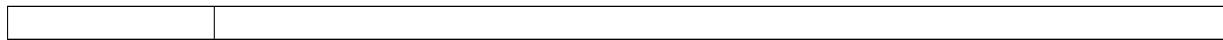








<pre>multiscale::analysis ::Detector</pre>
<pre># image # outputPath # debugMode # outputImage # detectMethodCalled # detectorSpecificFieldsInitialised</pre>
<pre>+ Detector() + ~Detector() + detect() + outputResults() # initialise() # initialiseDetectorSpecific FieldsIfNotSet() # initialiseDetectorSpecific Fields() # initialiseImageDependent Fields() # isValidInputImage() # detect() # detectInDebugMode() # detectInReleaseMode() # displayResultsInWindow() # outputResultsToFile() # outputResultsToImage() # storeOutputImageOnDisk() # outputResultsToCsvFile() # outputResultsToCsvFile() # processImageAndDetect() # clearPreviousDetectionResults() # createTrackbars() # createTrackbarsWindow() # createDetectorSpecificTrackbars() # processPressedKeyRequest() # displayImage() # printOutputErrorMessage()</pre>

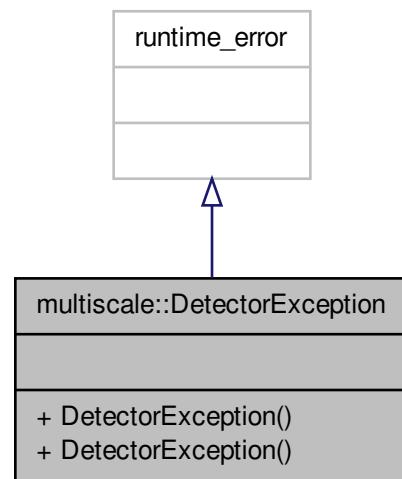
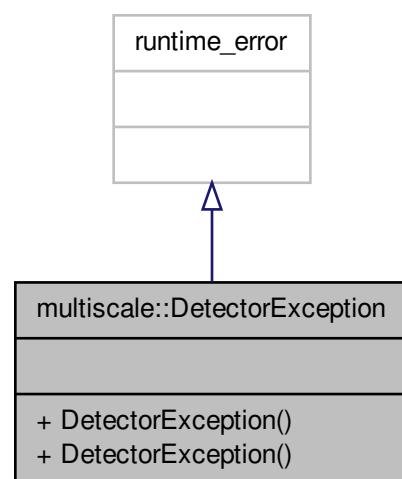


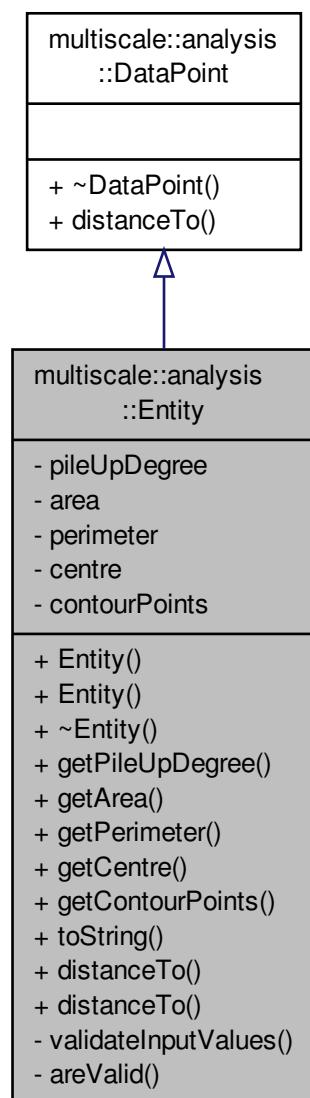


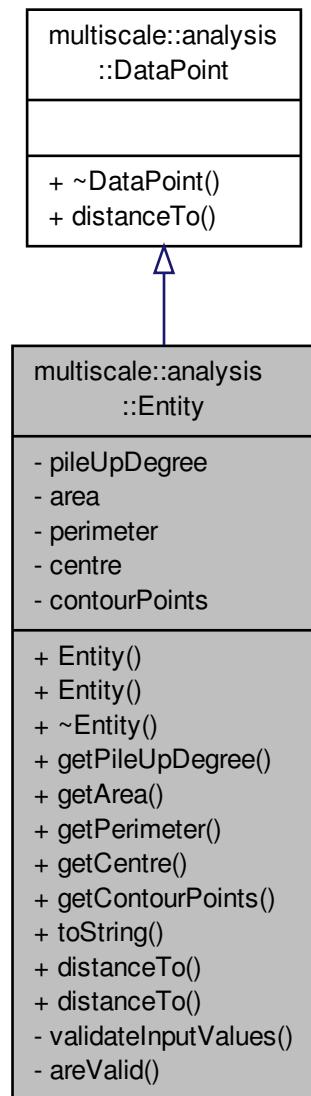
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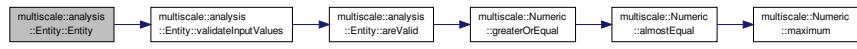
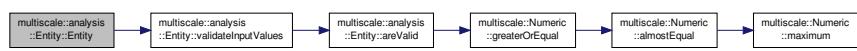
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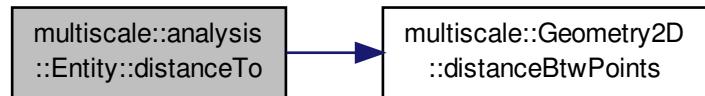
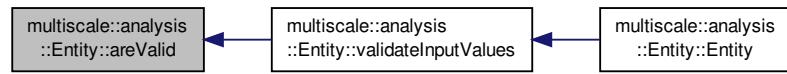
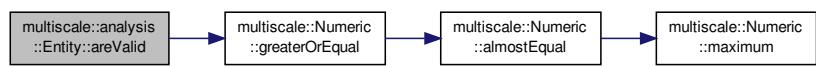
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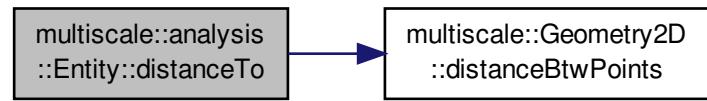


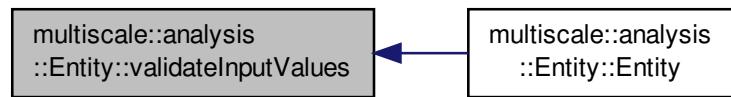
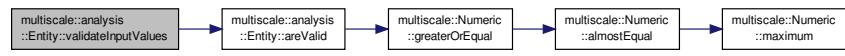


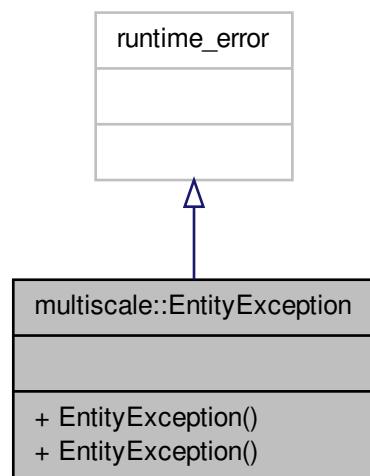
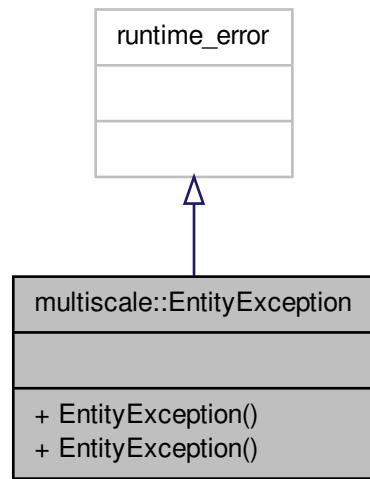




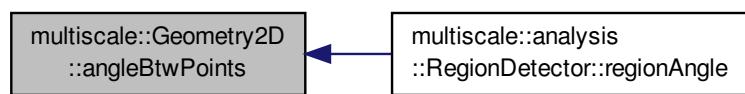




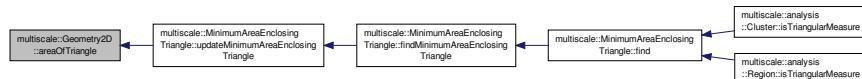


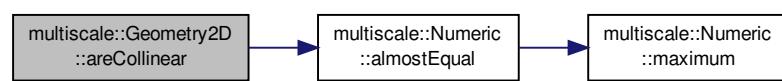


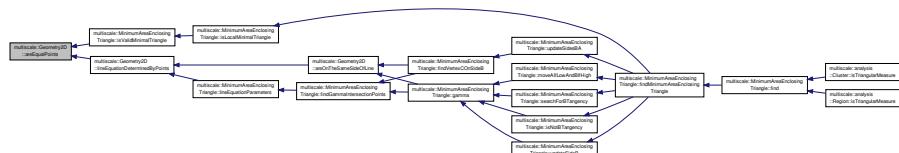
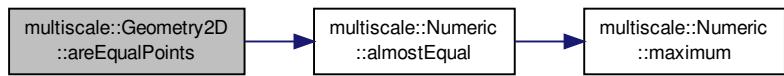
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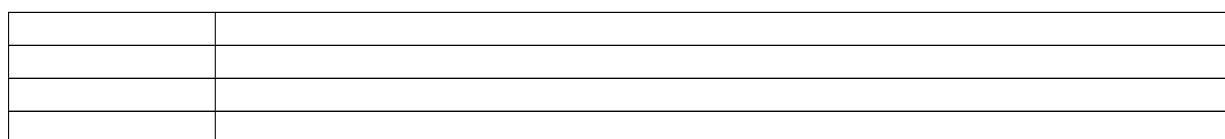
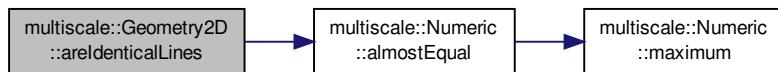
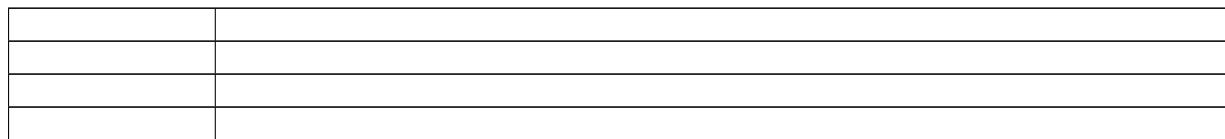
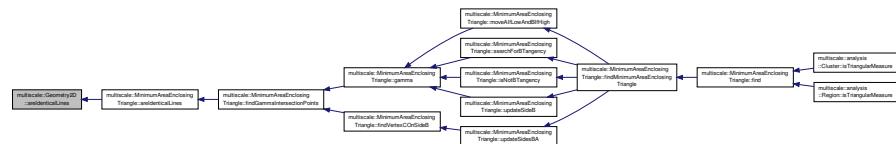
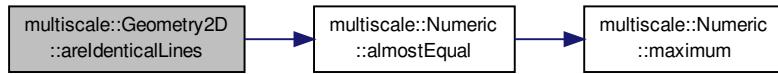


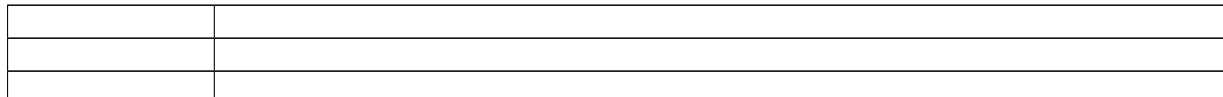
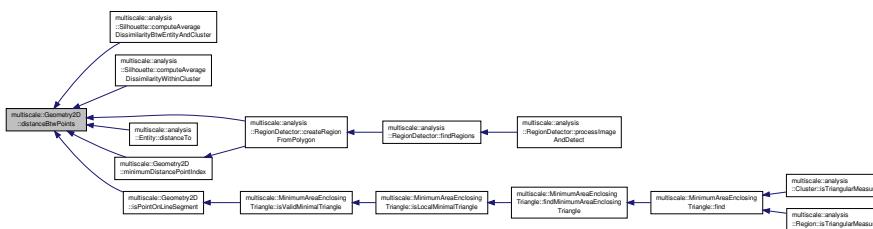
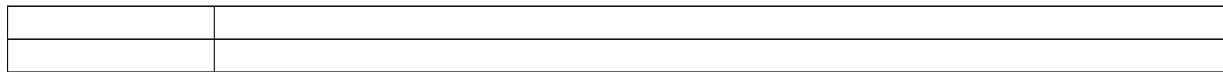
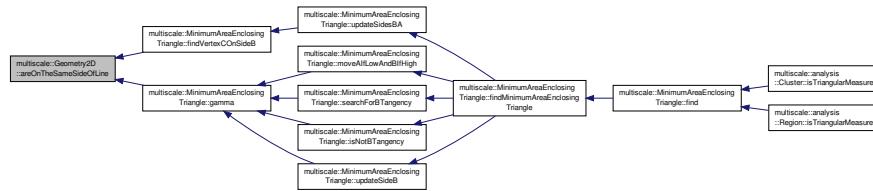
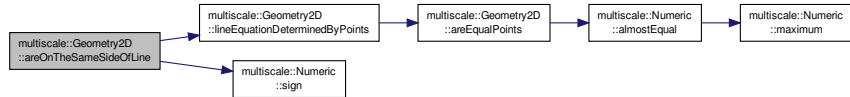


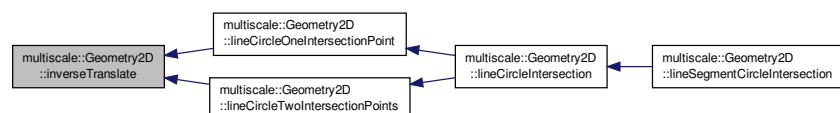
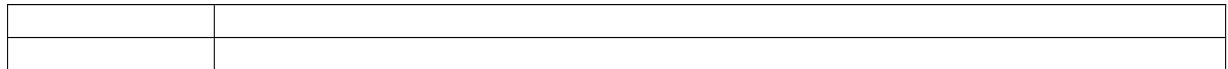
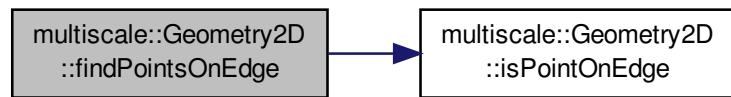
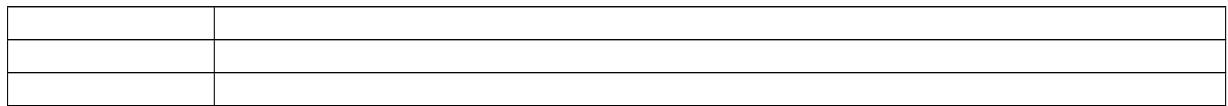
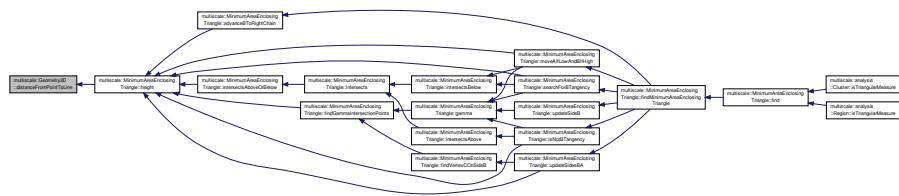


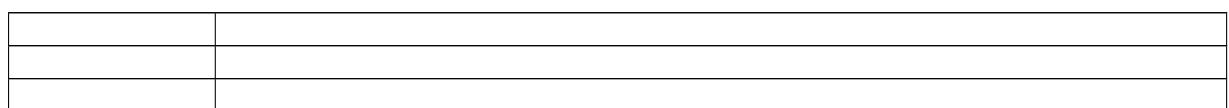
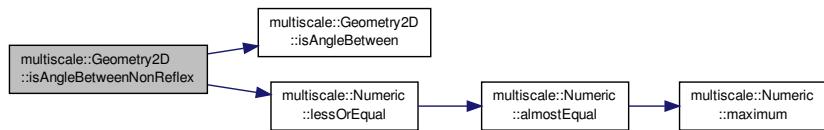


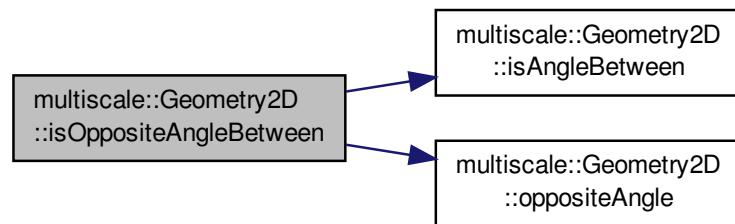


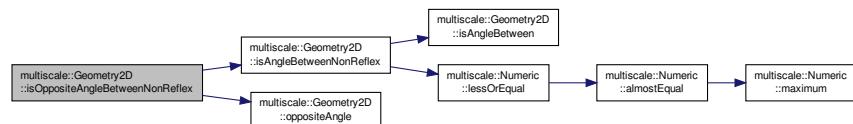


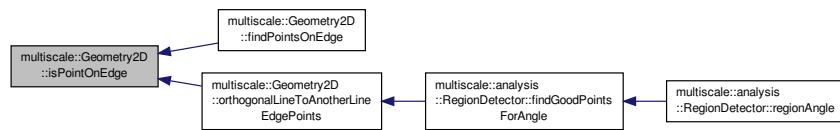


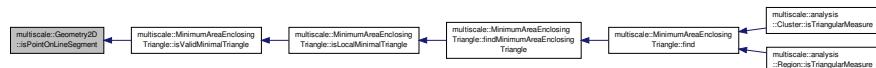
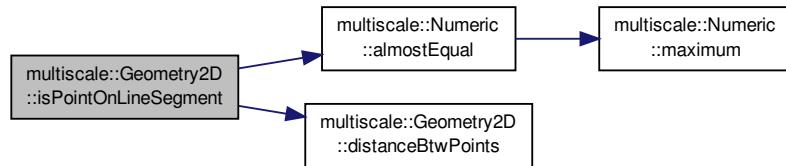


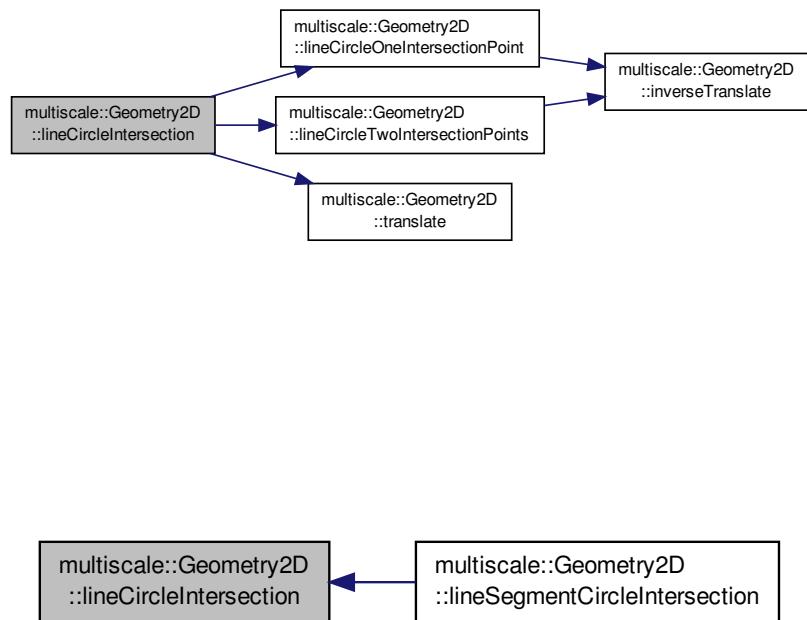


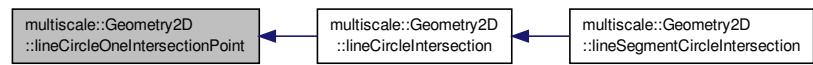
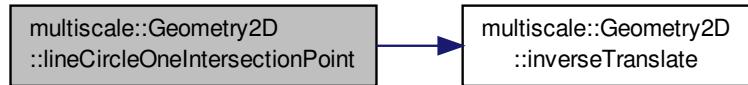


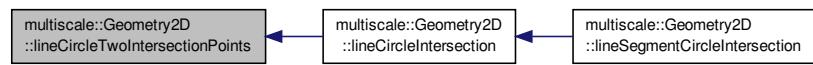


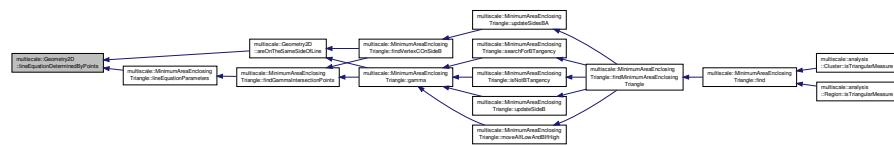
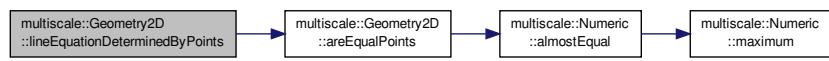


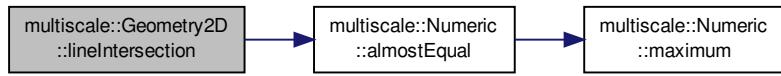
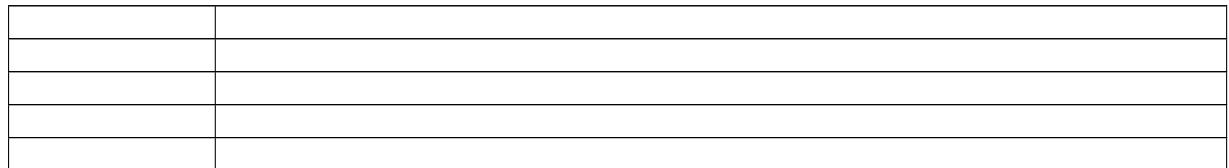
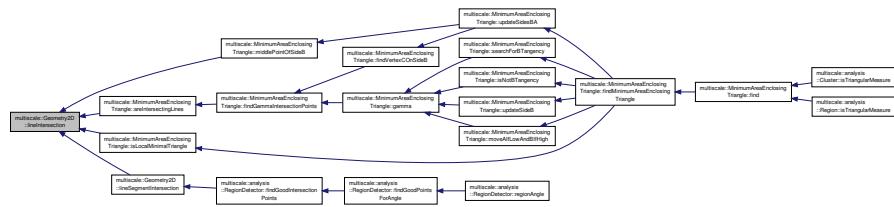
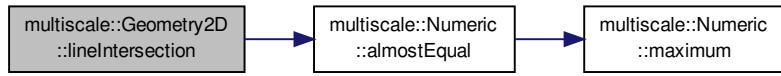


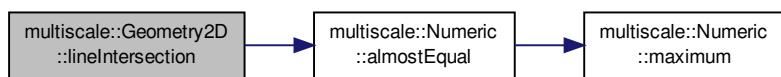


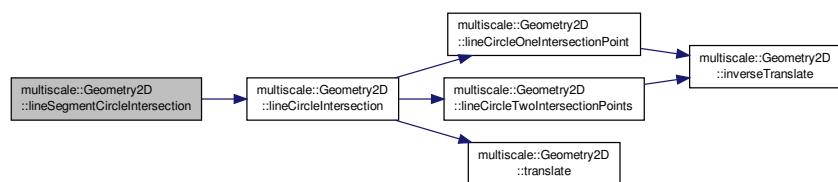


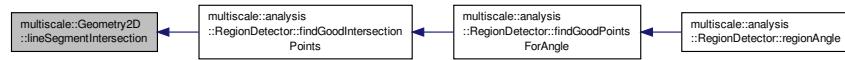


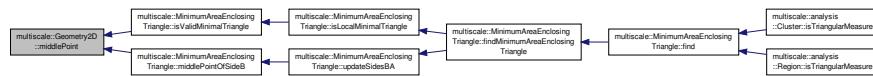


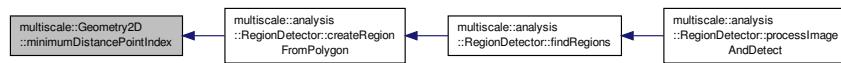


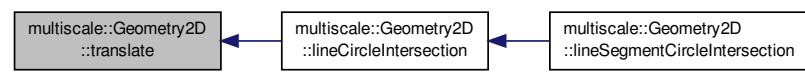
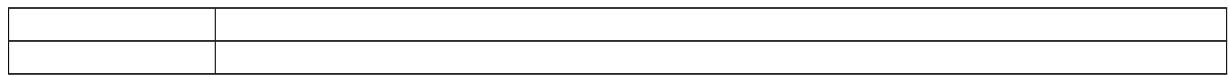
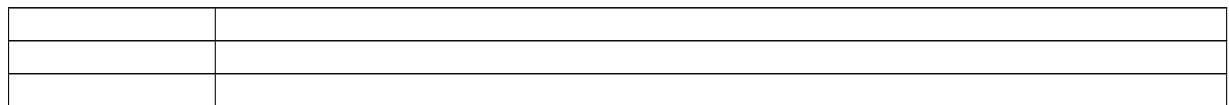
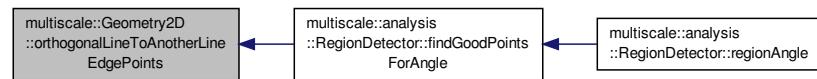
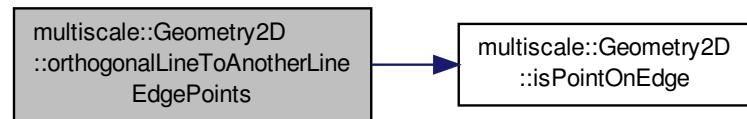


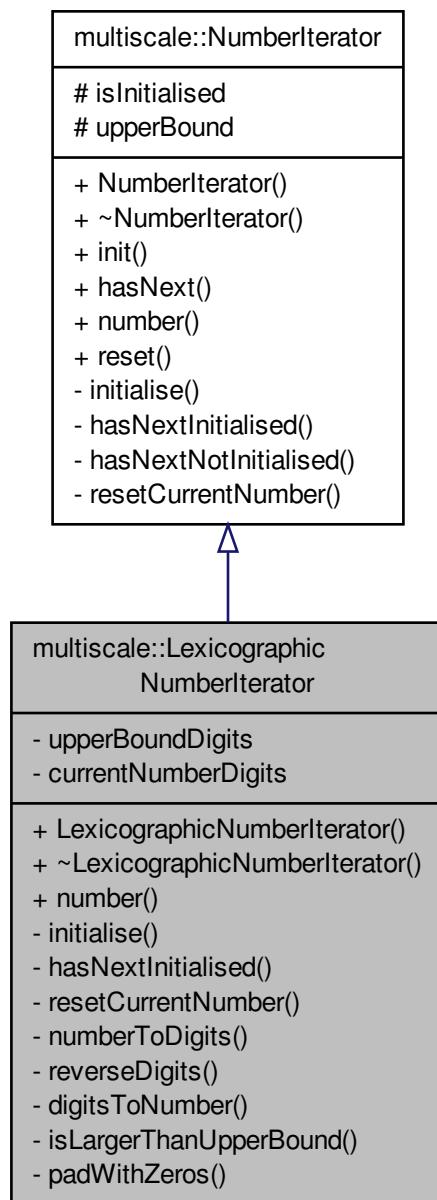


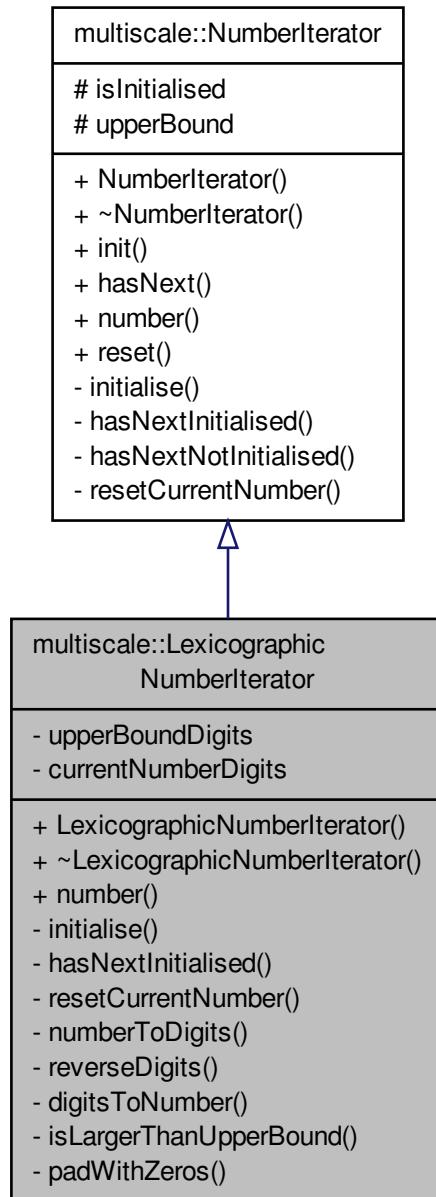


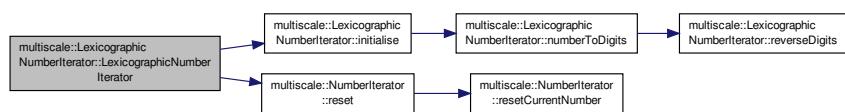




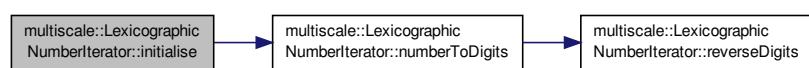
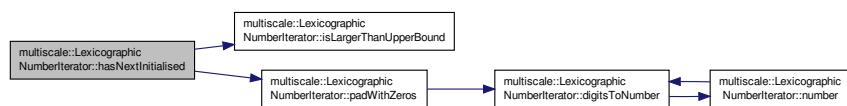
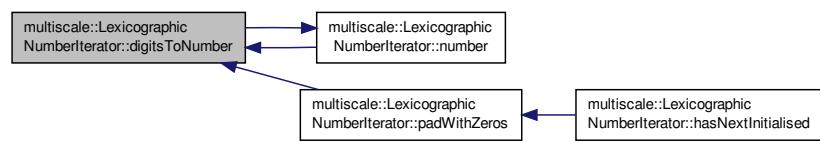
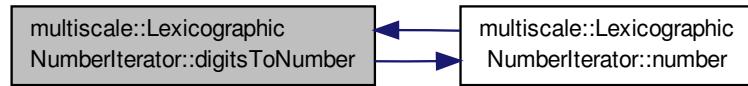


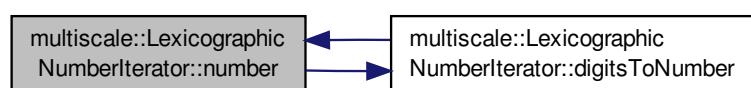
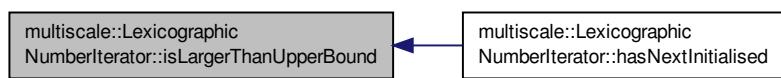
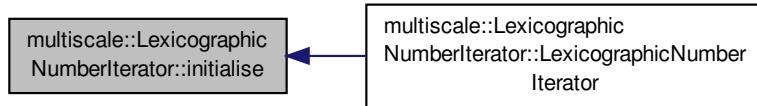


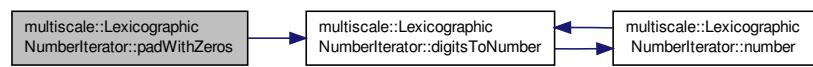
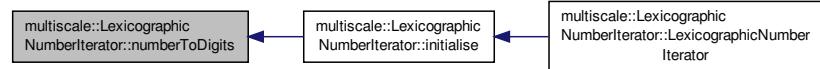
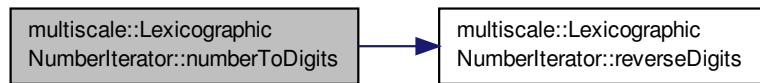
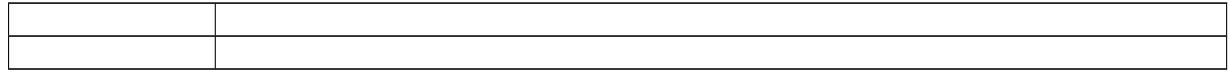
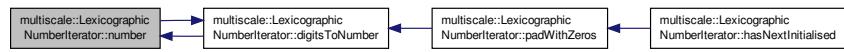


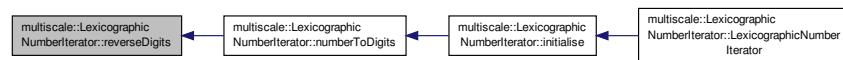
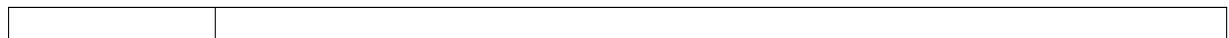
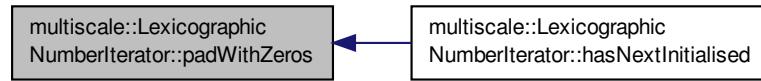


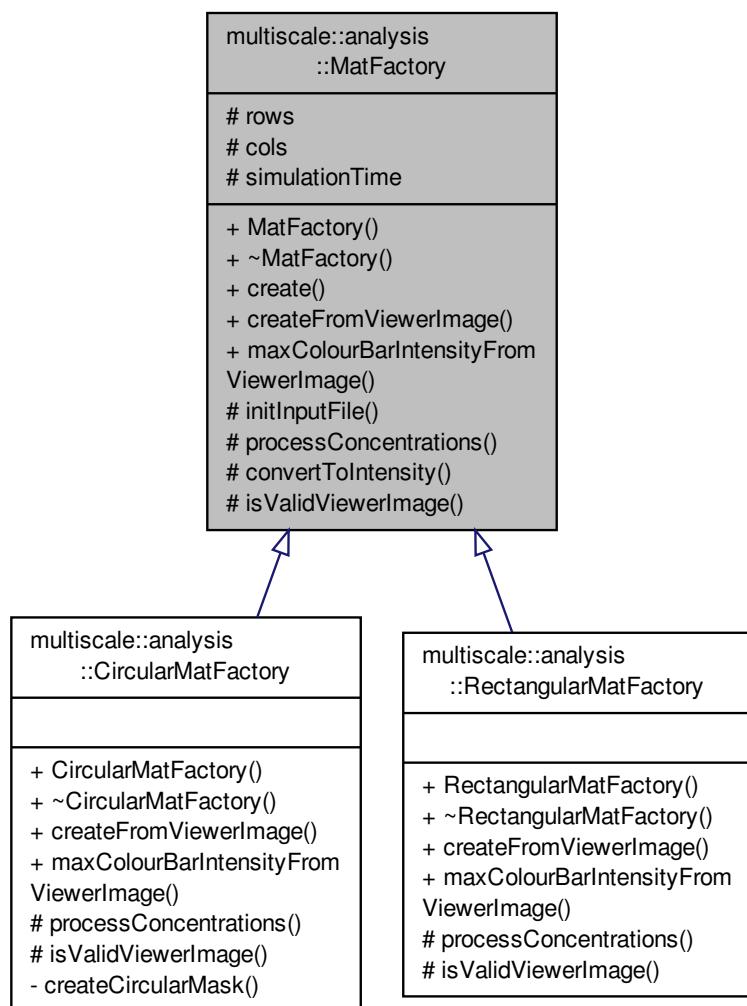
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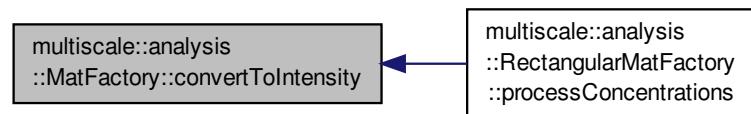


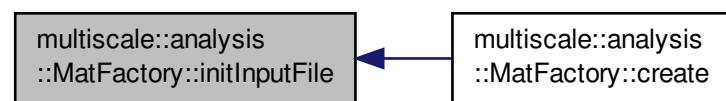
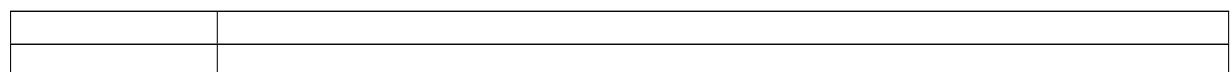
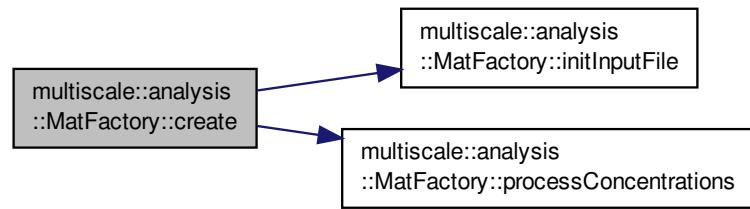






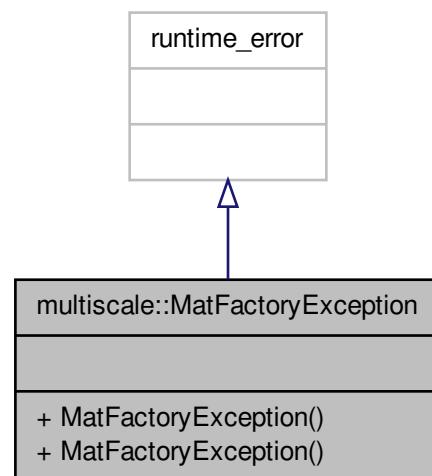
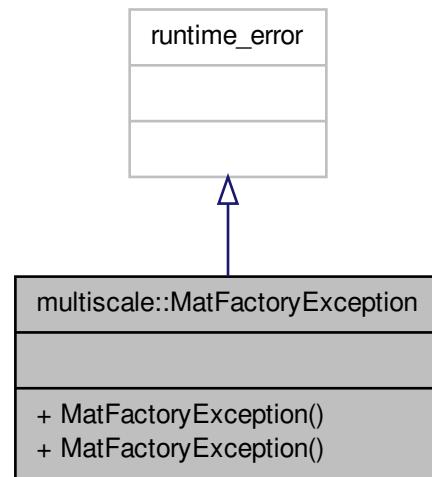
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::MatFactory
rows
cols
simulationTime
+ MatFactory()
+ ~MatFactory()
+ create()
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+ maxColourBarIntensityFrom
ViewerImage()
initInputFile()
processConcentrations()
convertToIntensity()
isValidViewerImage()





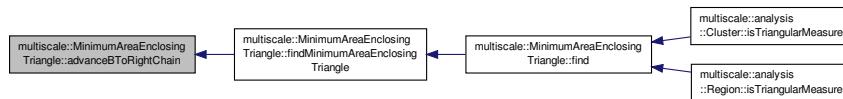
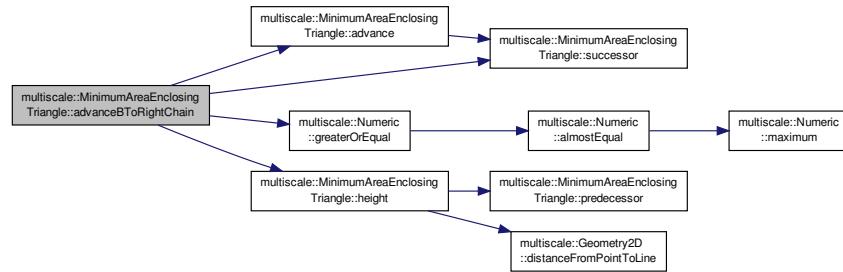
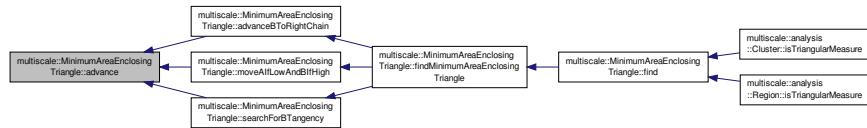
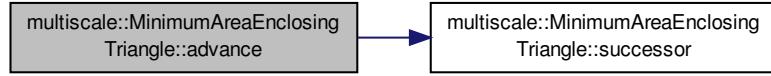
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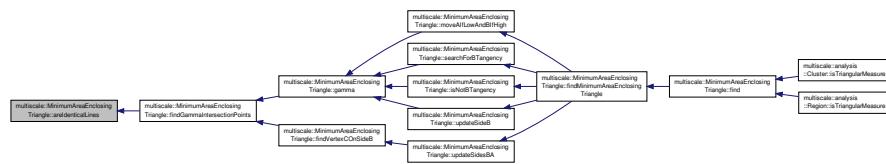
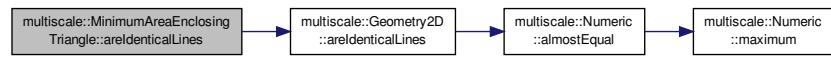


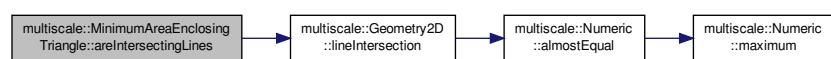


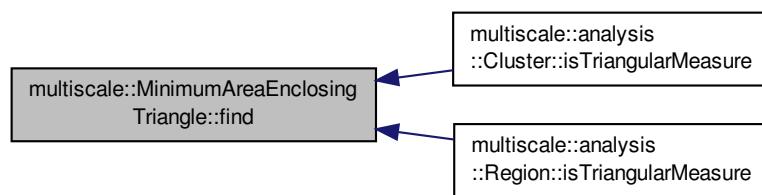
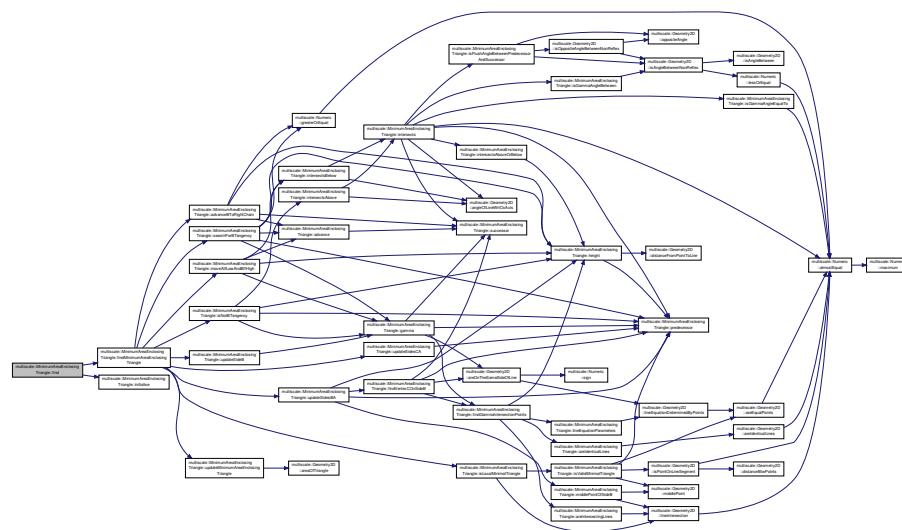
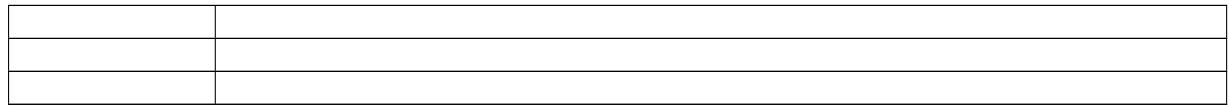
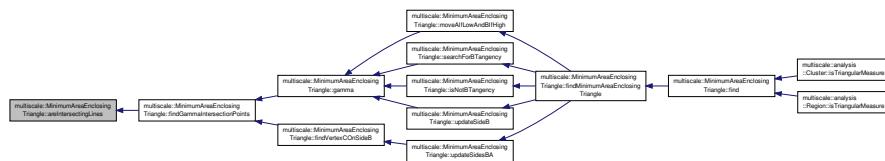
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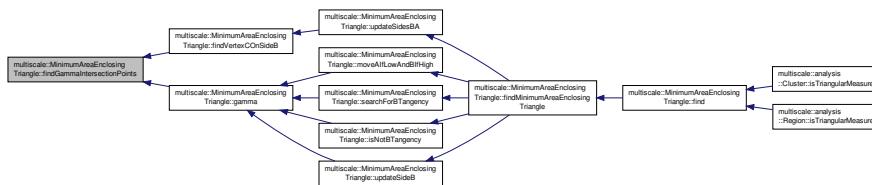
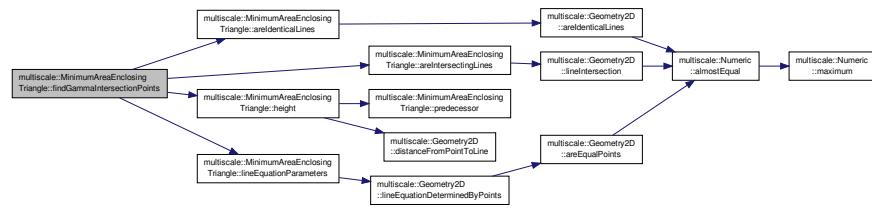
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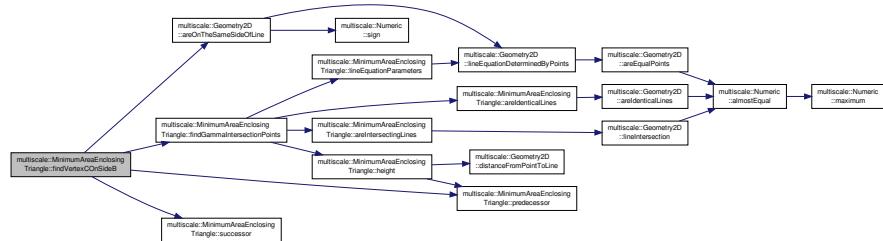
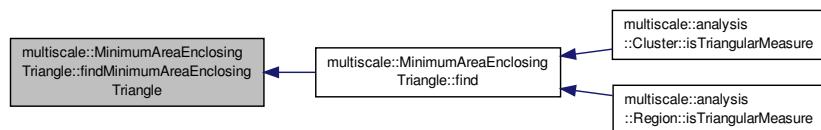
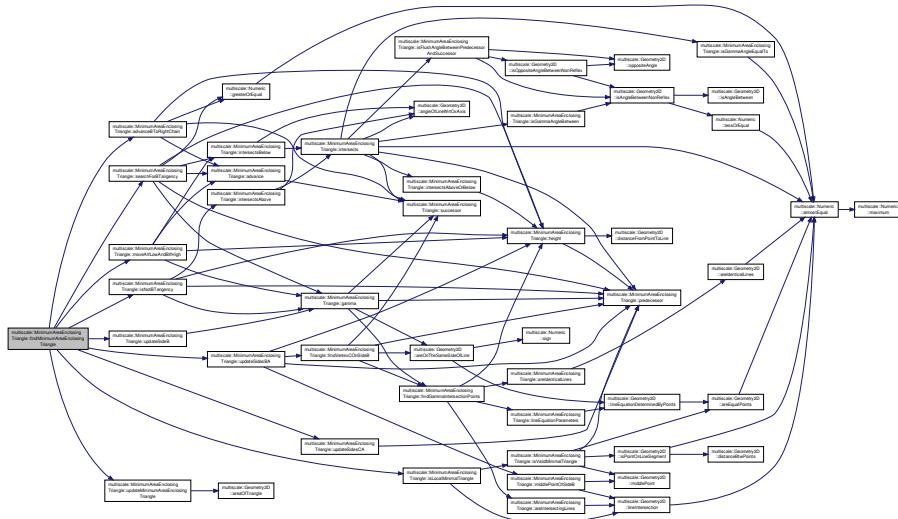


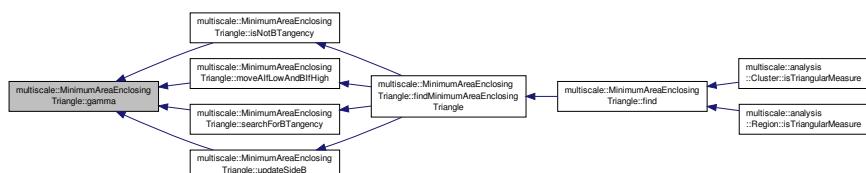
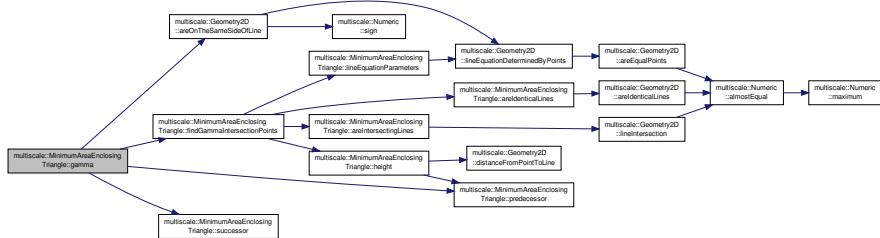
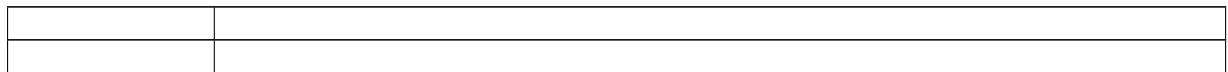
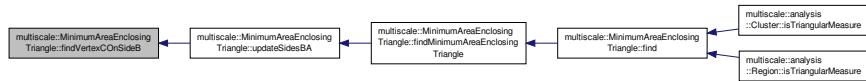


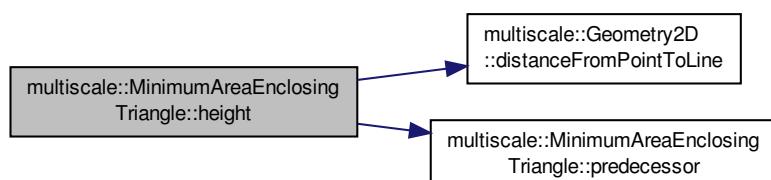
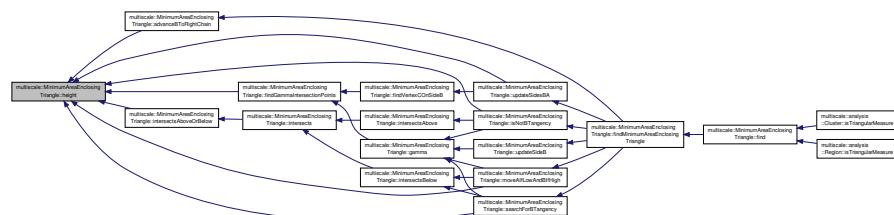
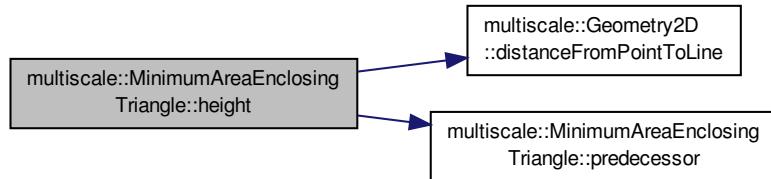


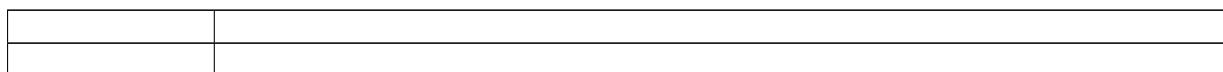
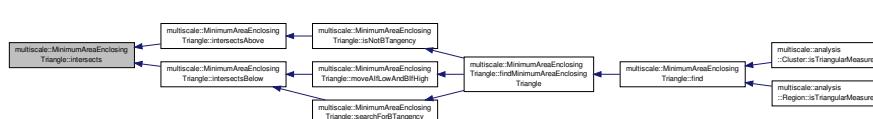
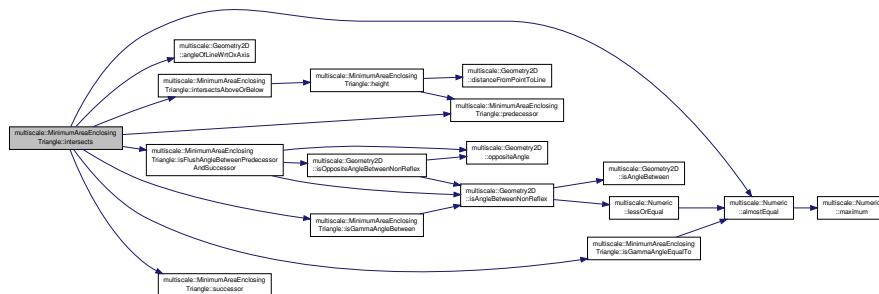
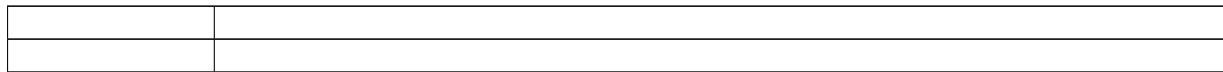
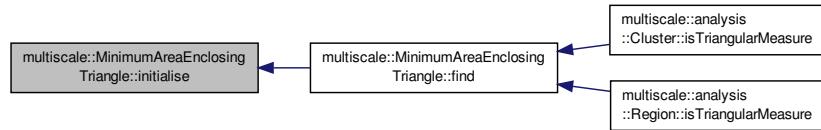


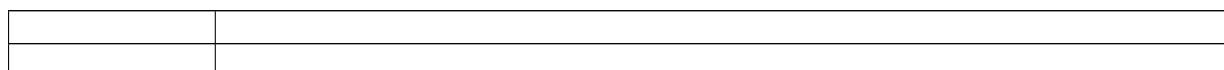
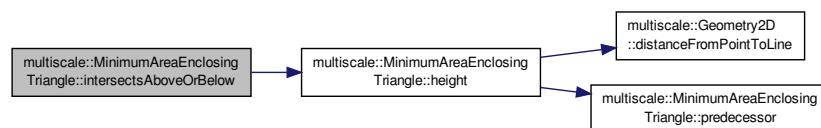
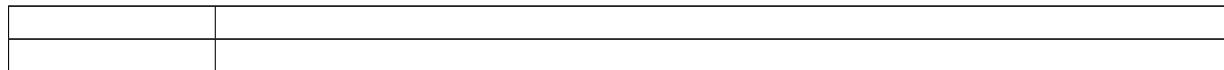
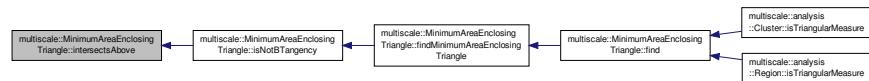
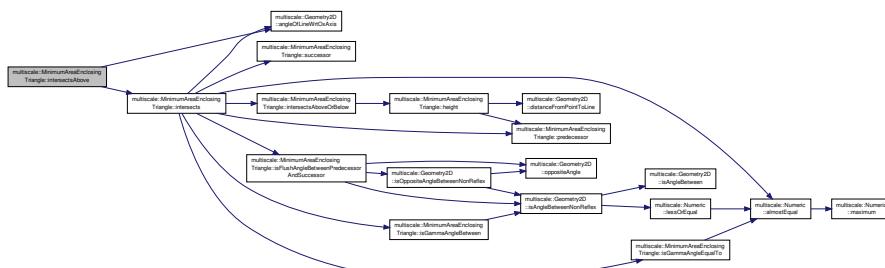


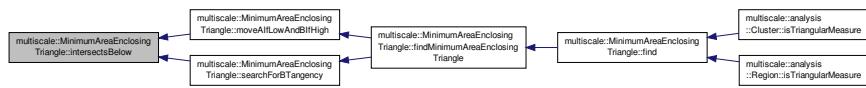
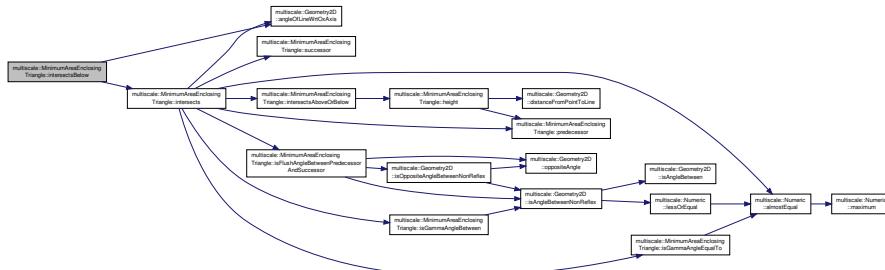


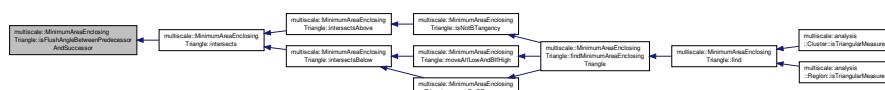
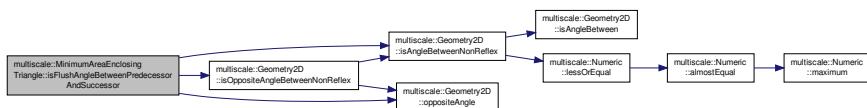


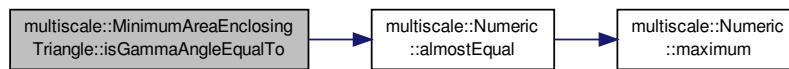
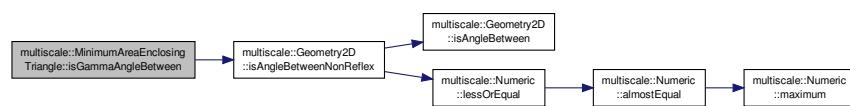


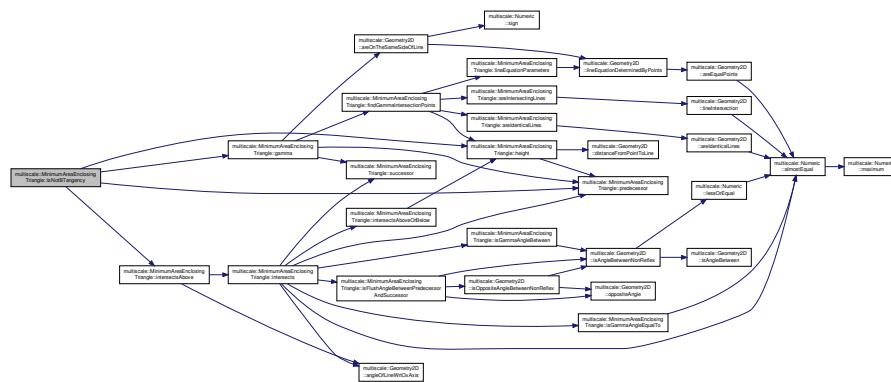
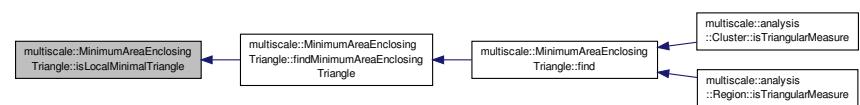
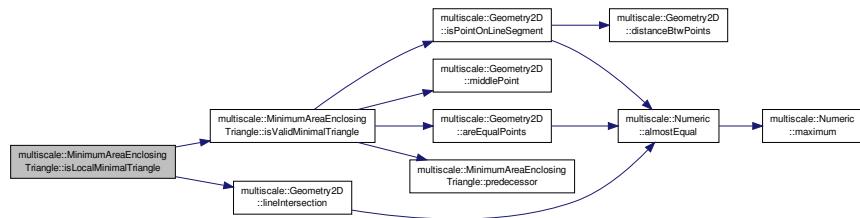


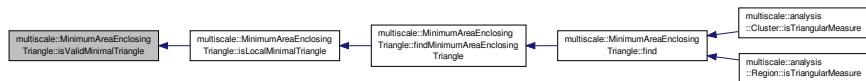
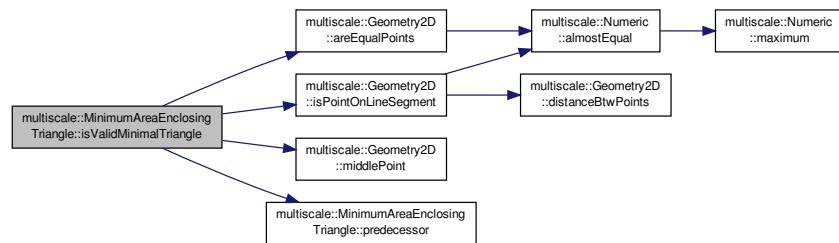
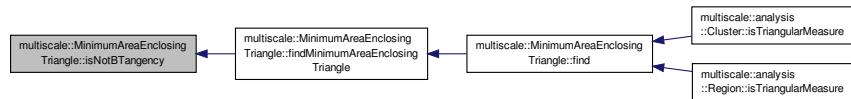


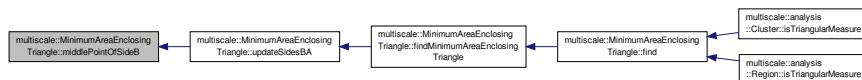
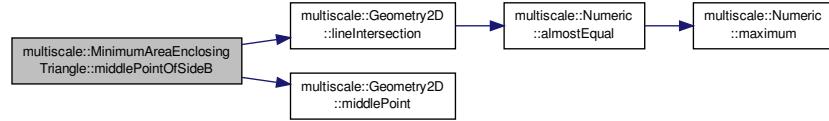
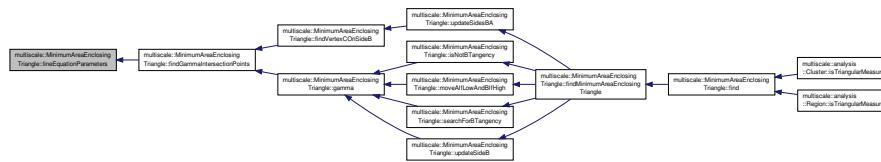
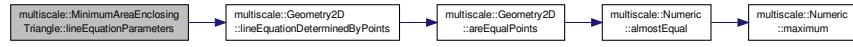


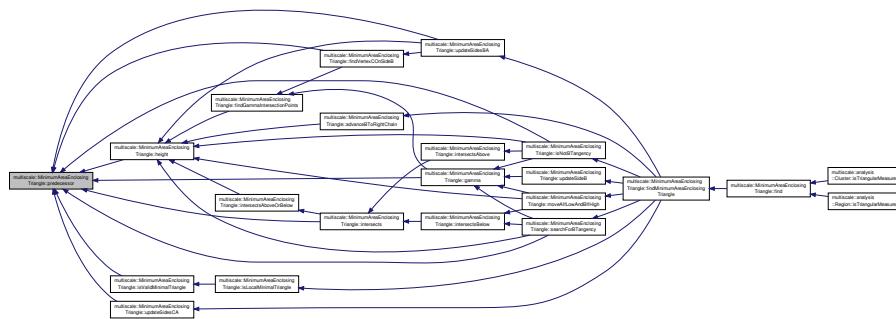
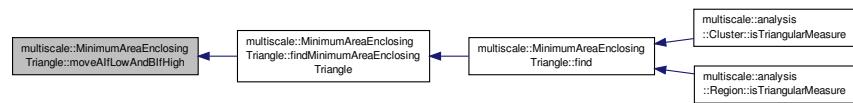
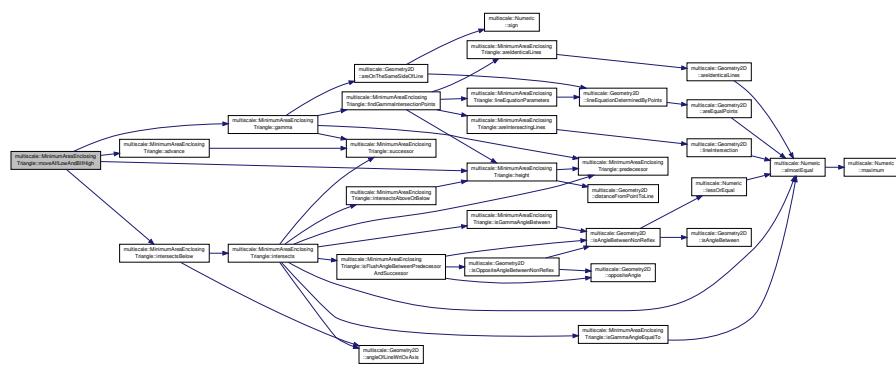


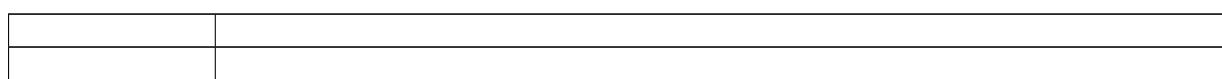
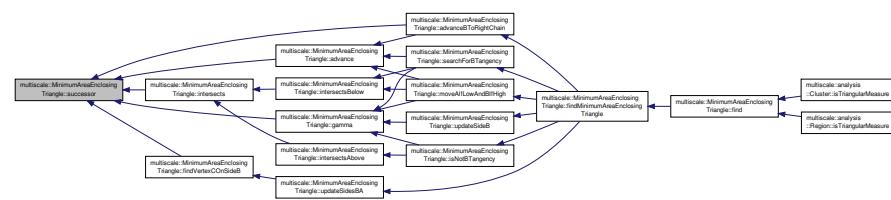
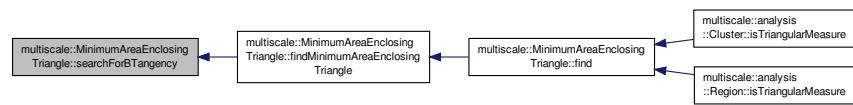
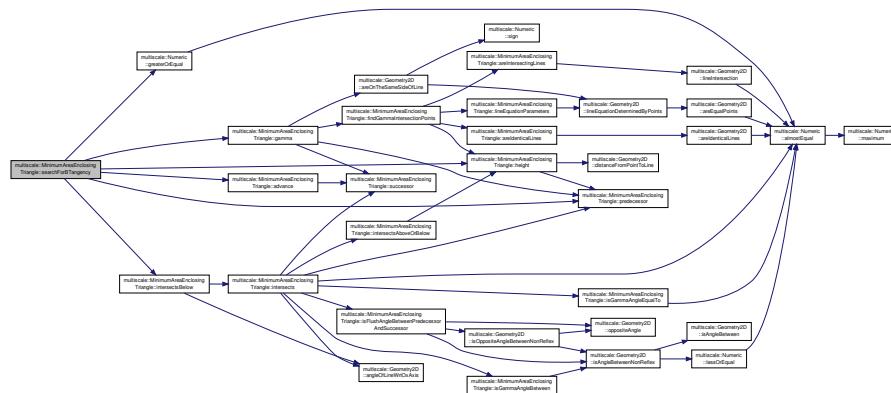


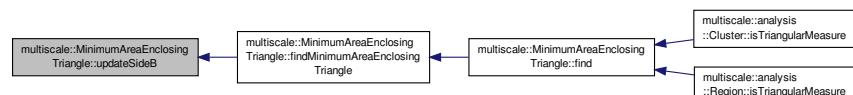
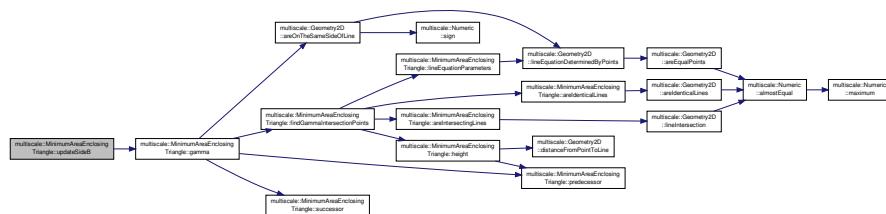
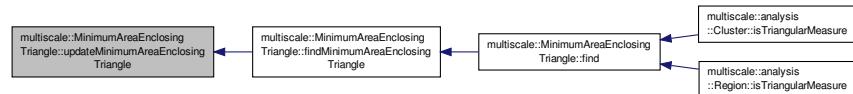
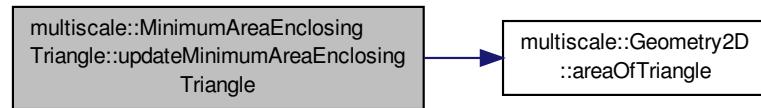


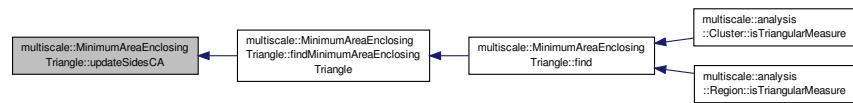
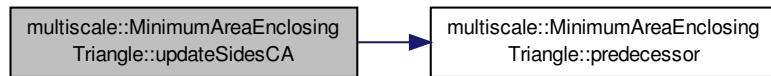
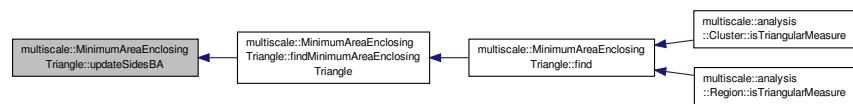
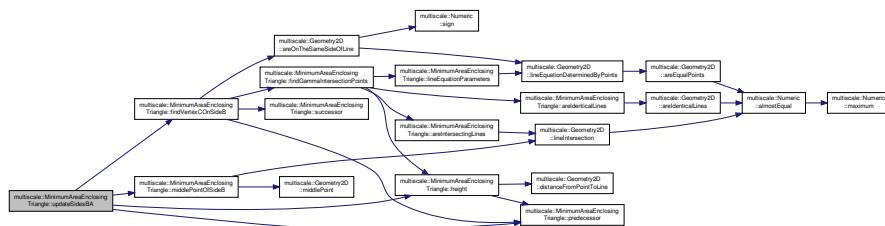


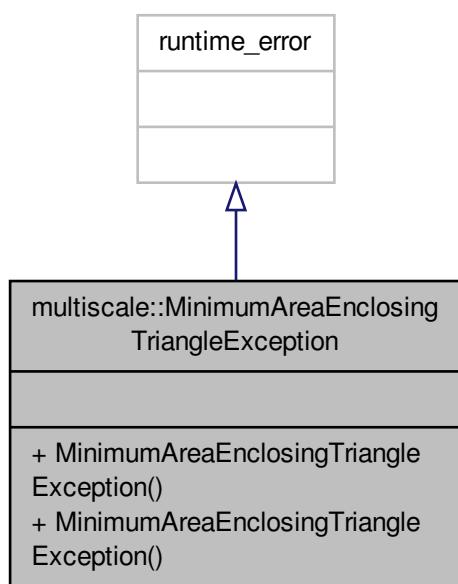


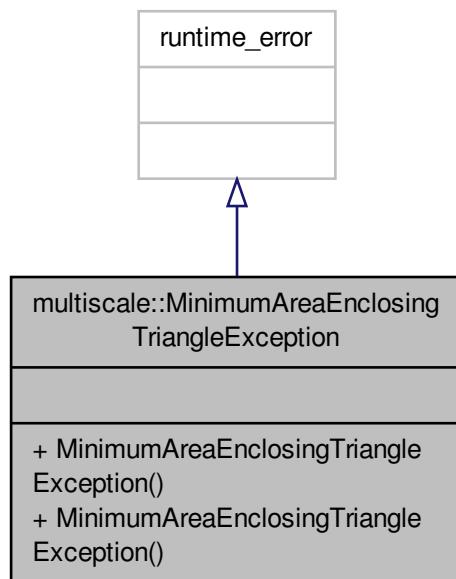


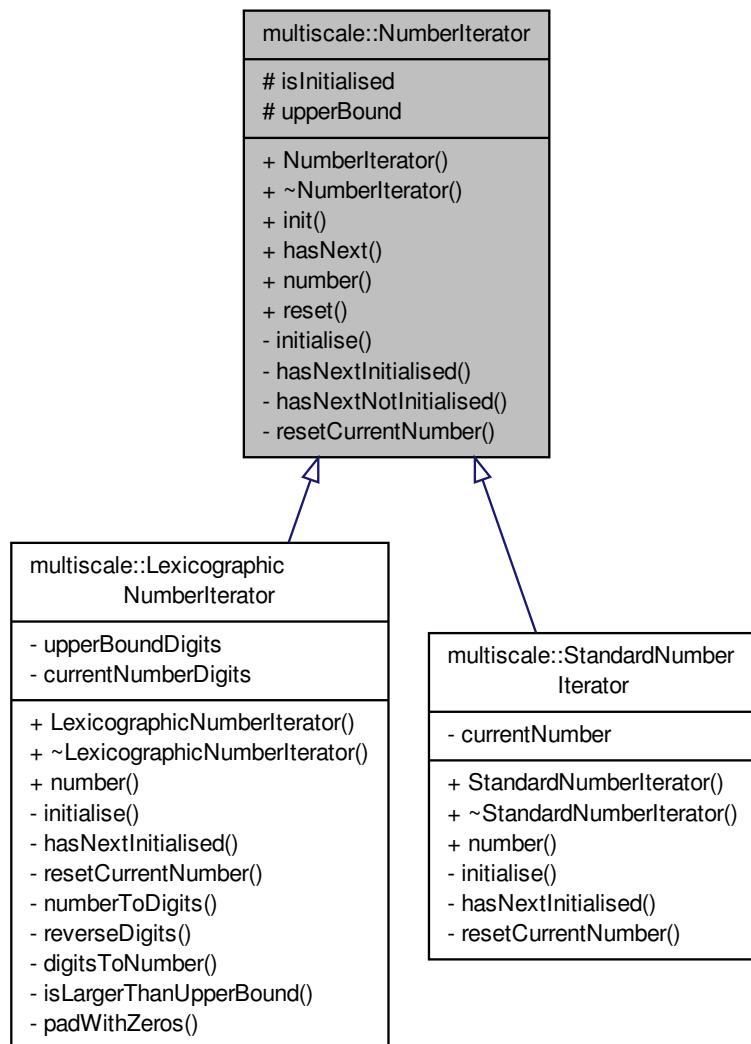




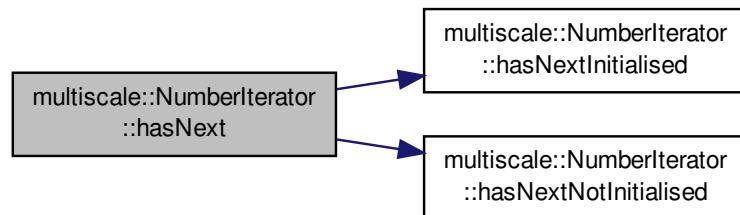
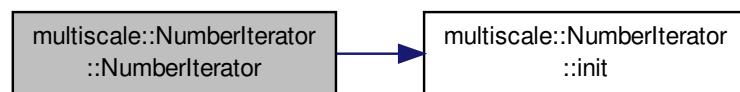


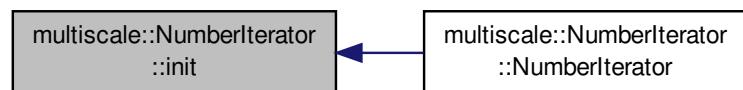
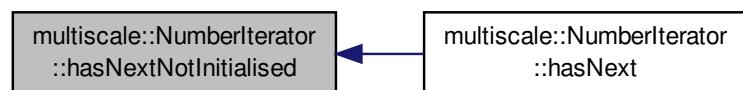
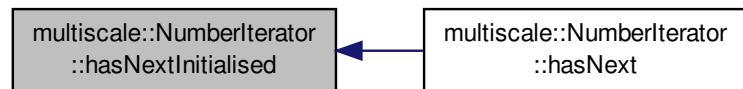


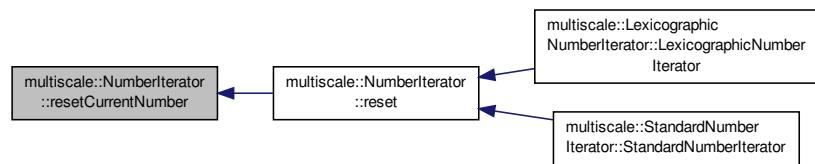
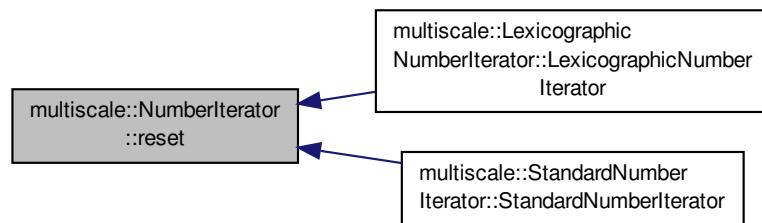
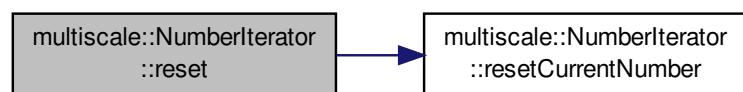




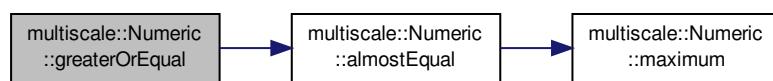
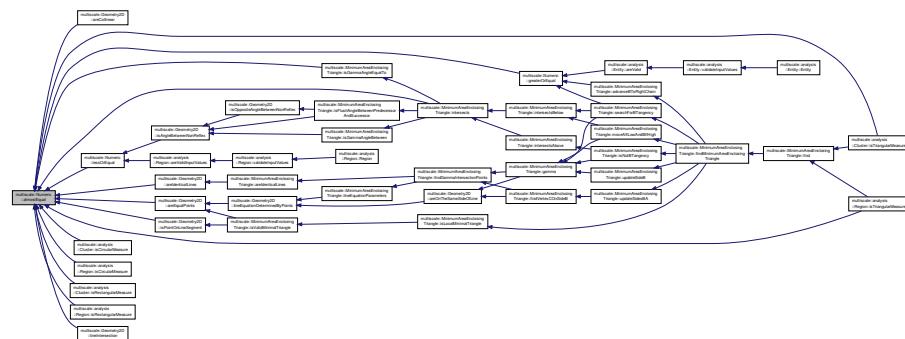
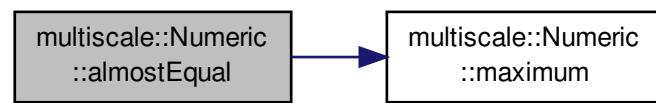
multiscale::NumberIterator
isInitialised
upperBound
+ NumberIterator()
+ ~NumberIterator()
+ init()
+ hasNext()
+ number()
+ reset()
- initialise()
- hasNextInitialised()
- hasNextNotInitialised()
- resetCurrentNumber()

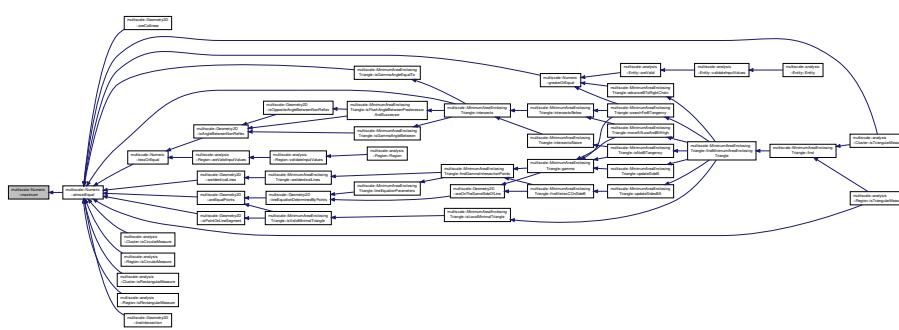
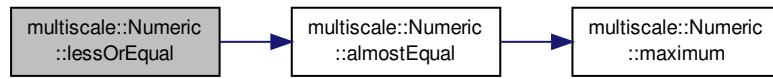
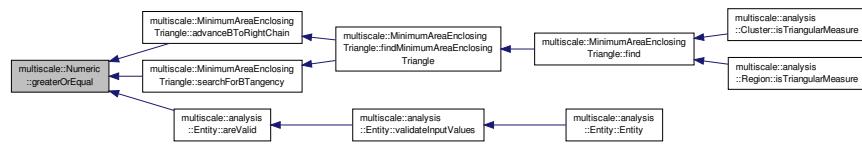


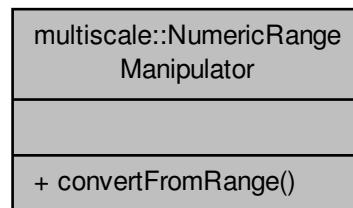
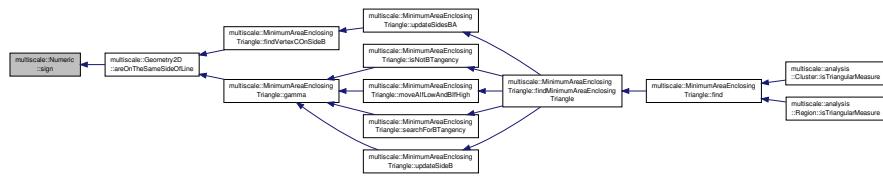


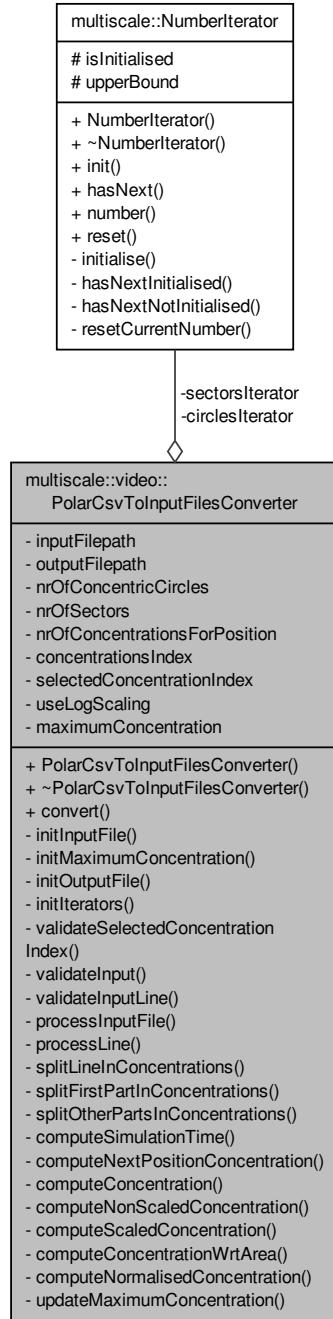


multiscale::Numeric
- epsilon
+ greaterOrEqual() + lessOrEqual() + almostEqual() + maximum() + sign()

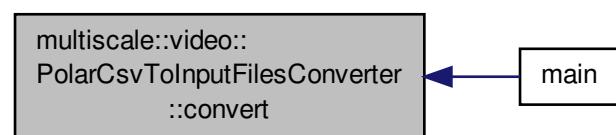








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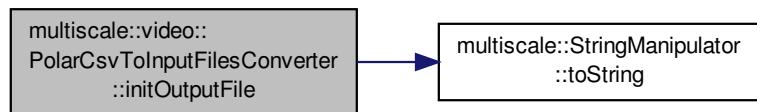


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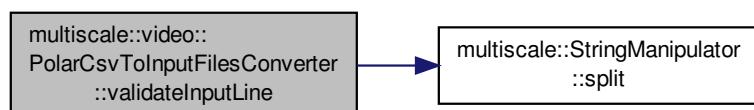
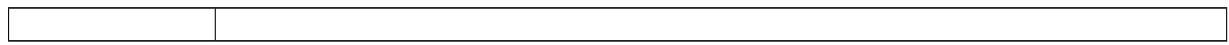
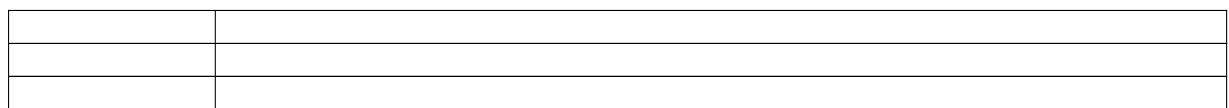
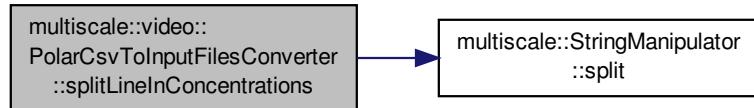
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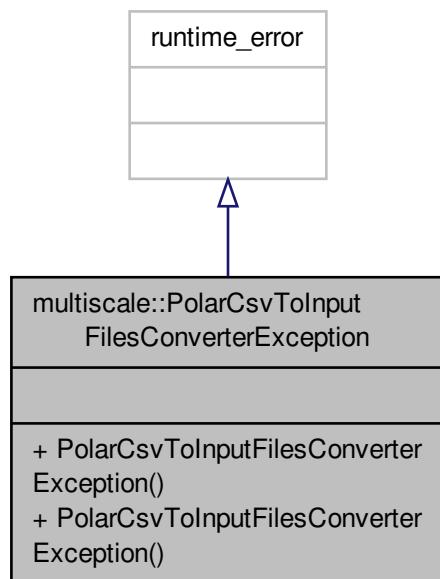
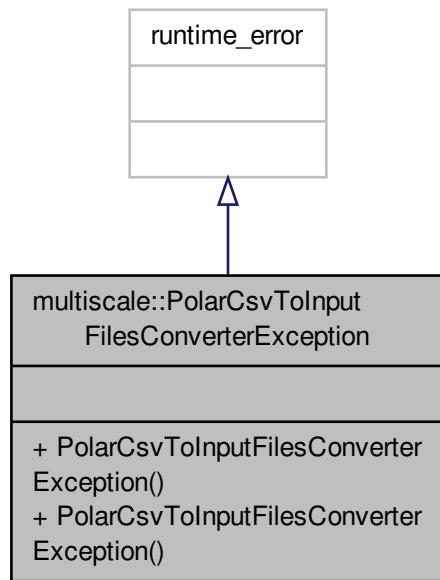
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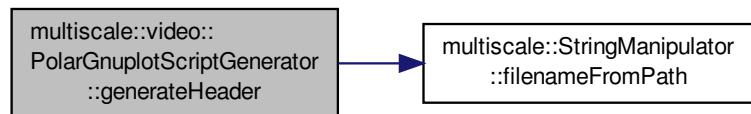


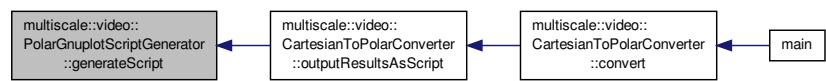


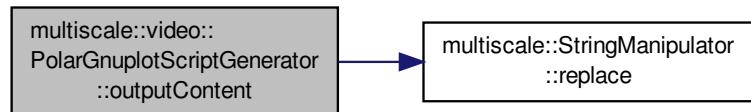
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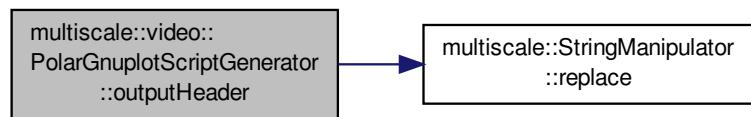
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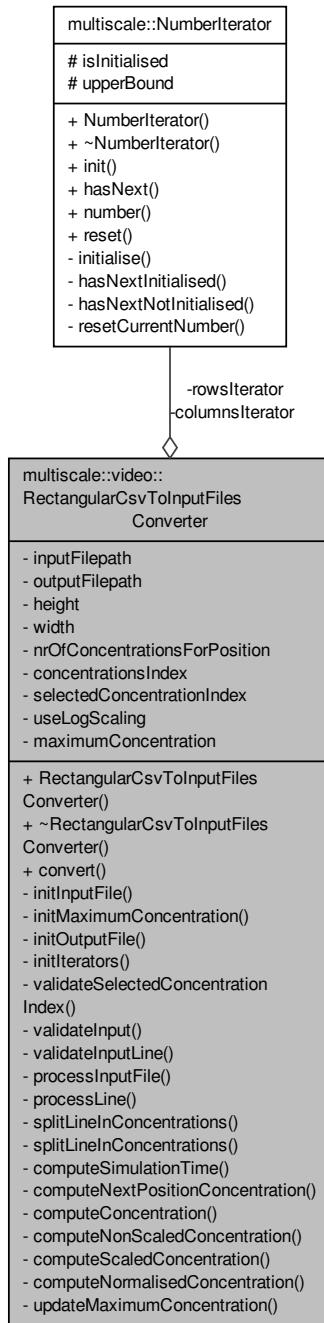
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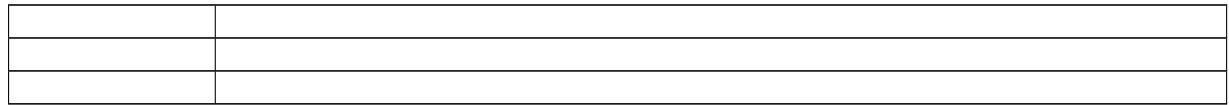
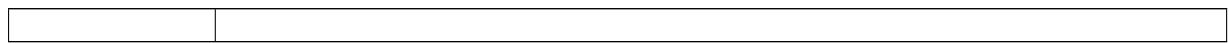
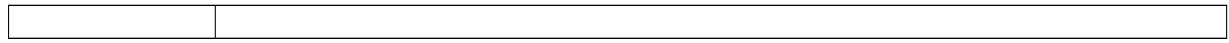
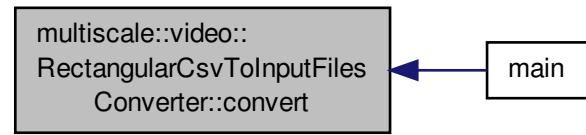


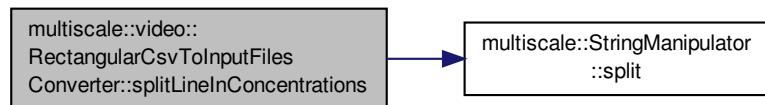
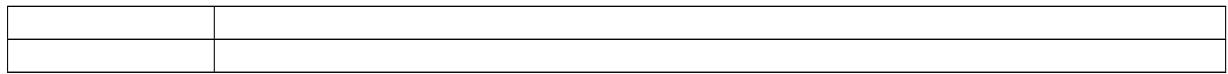
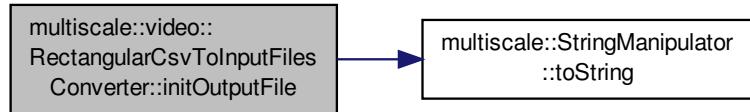




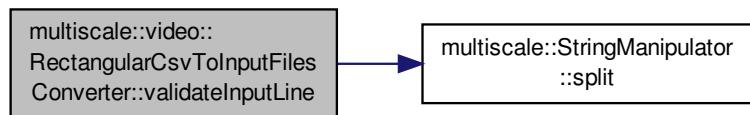


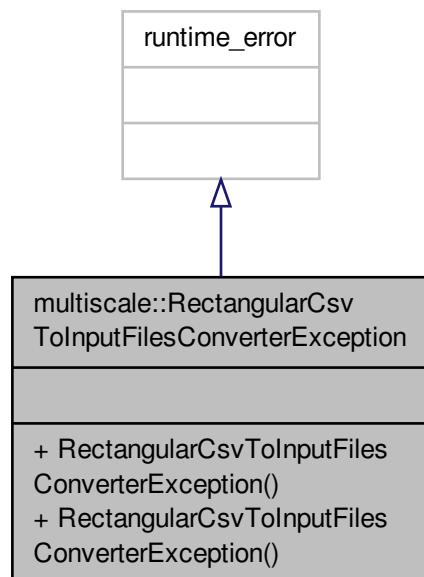
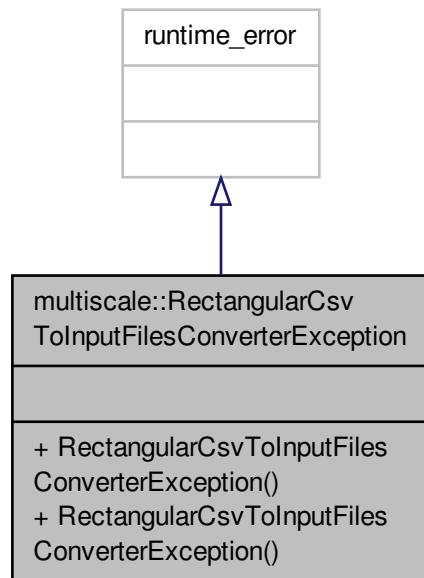


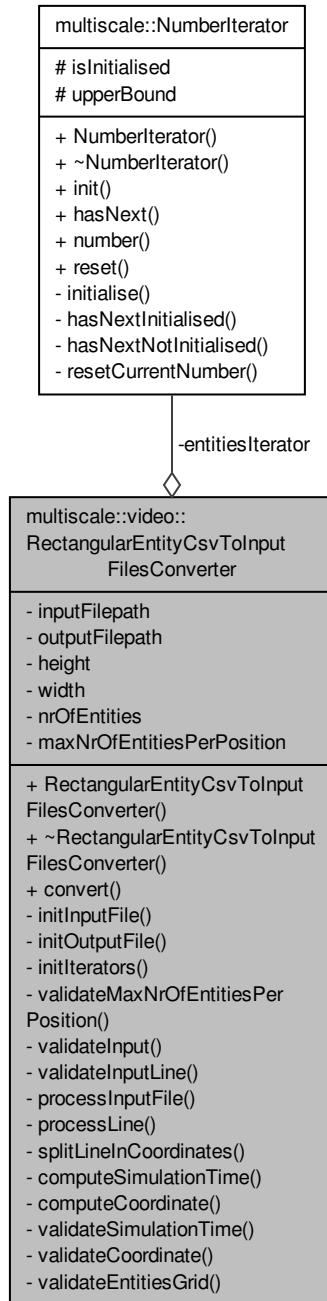




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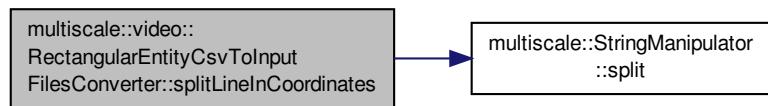
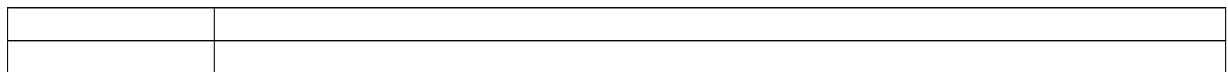
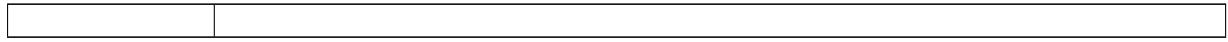
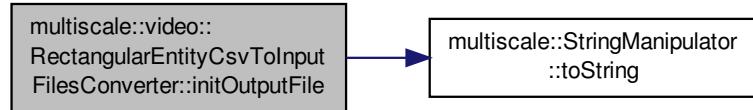


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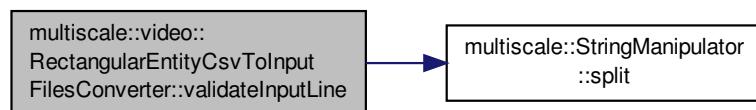
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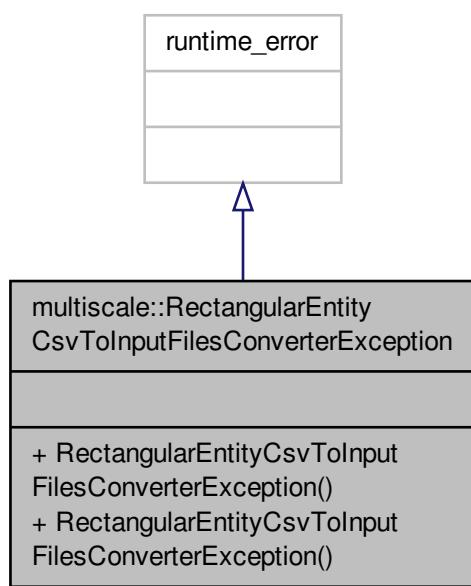
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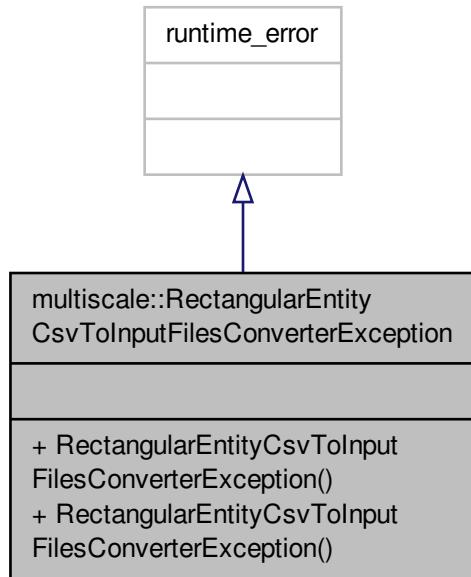
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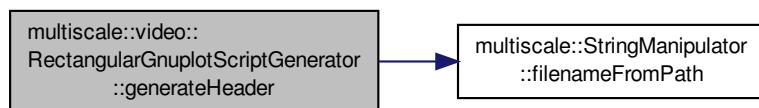


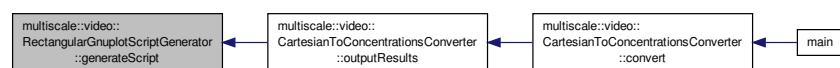


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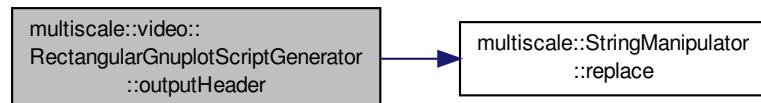
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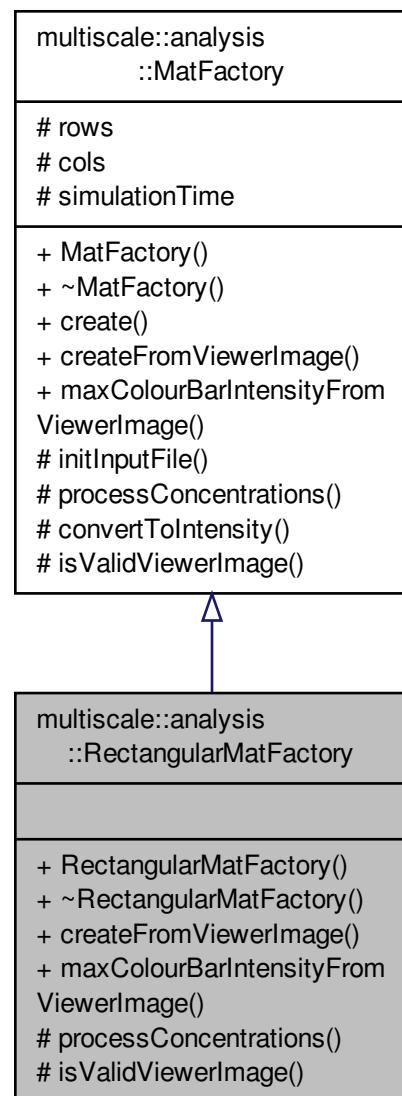
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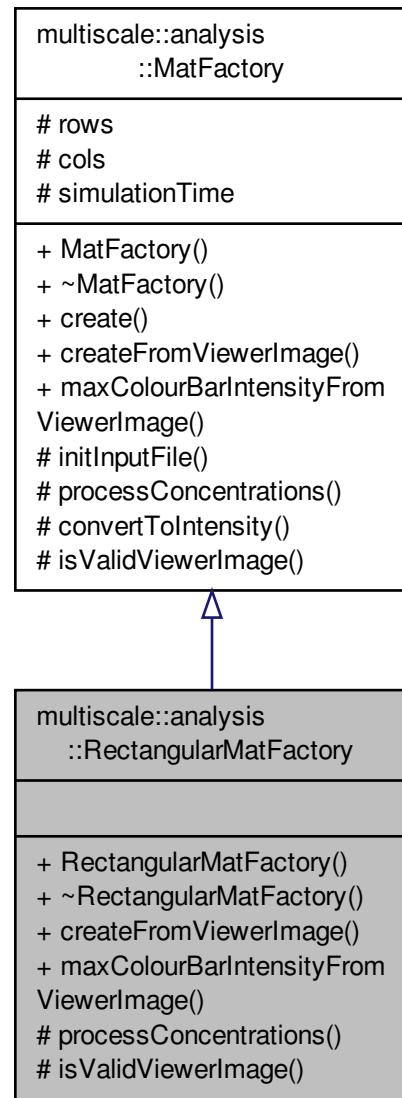


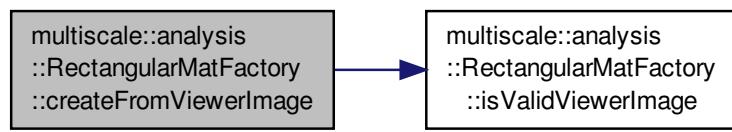


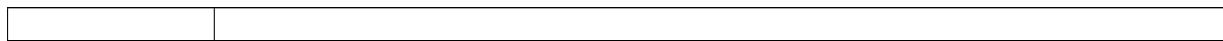
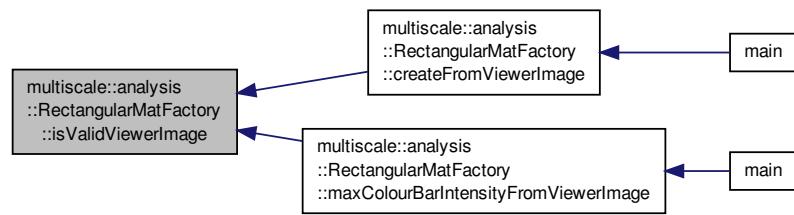
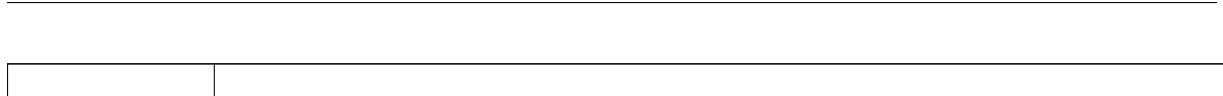
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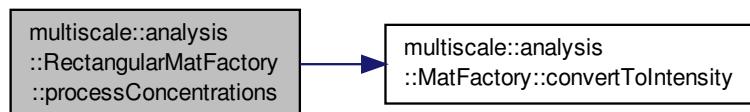
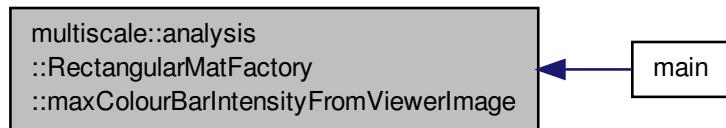


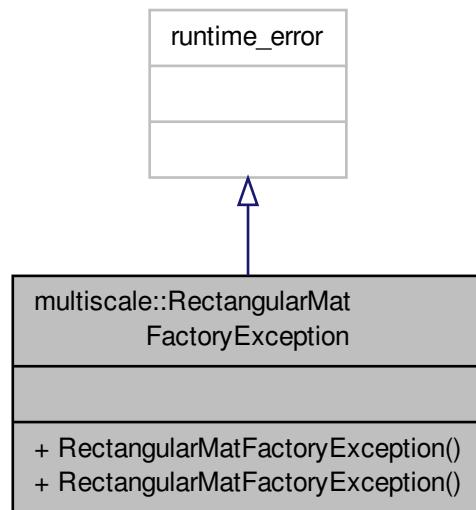
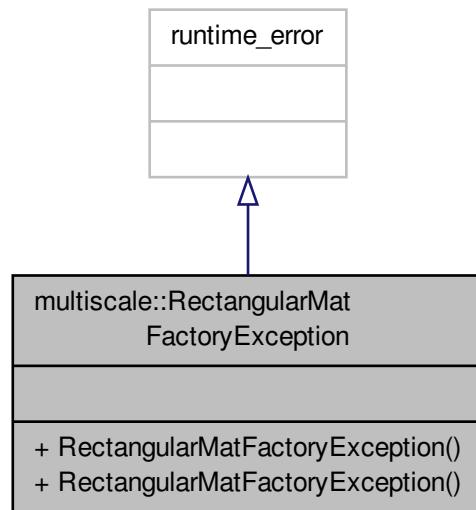


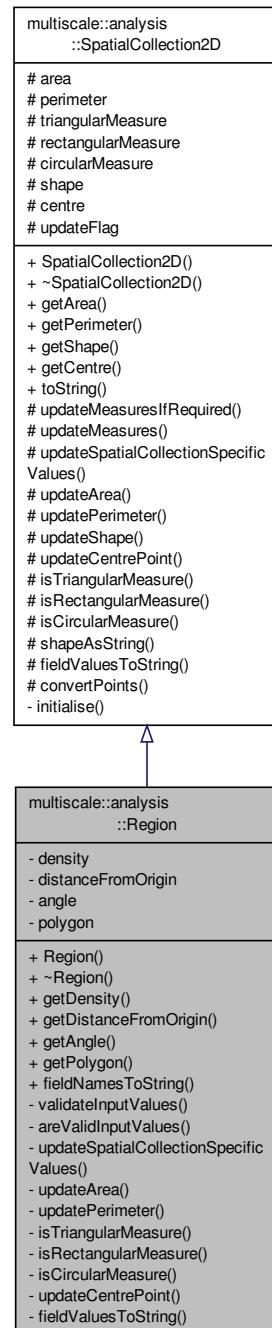


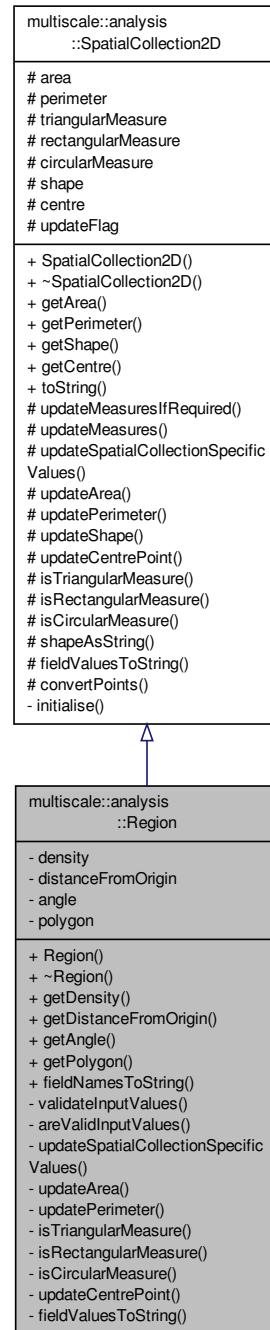


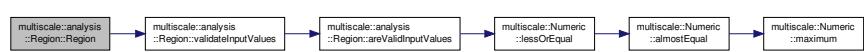


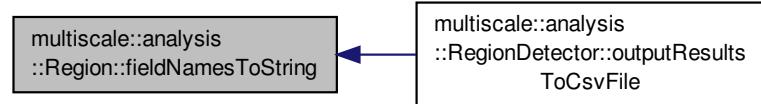
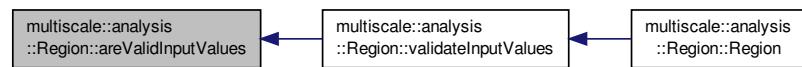
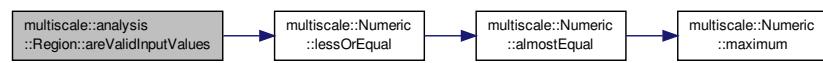


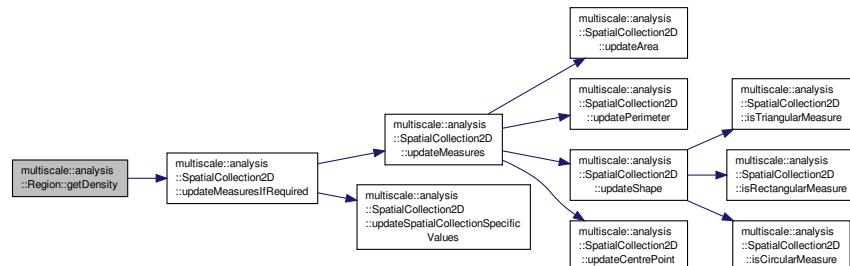
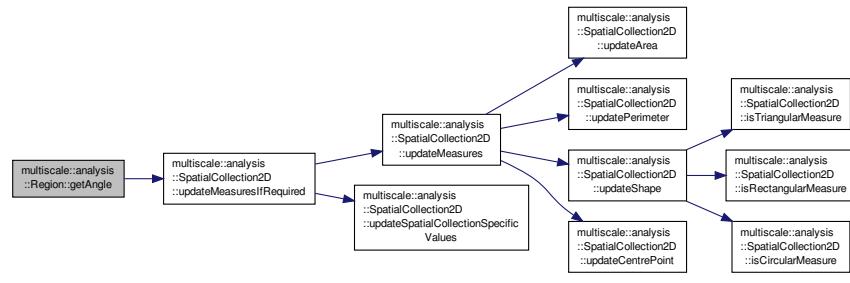
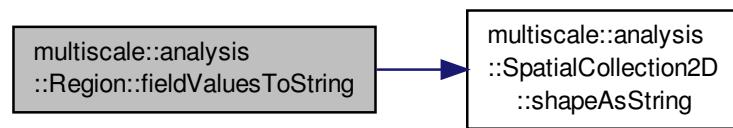


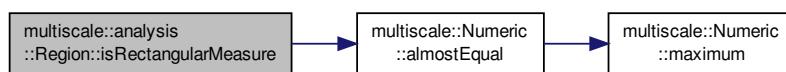
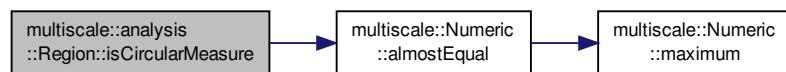
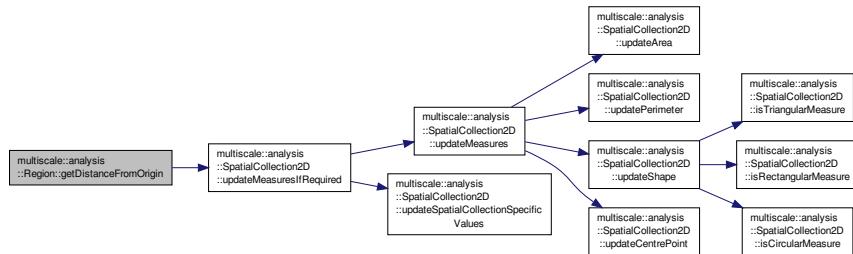


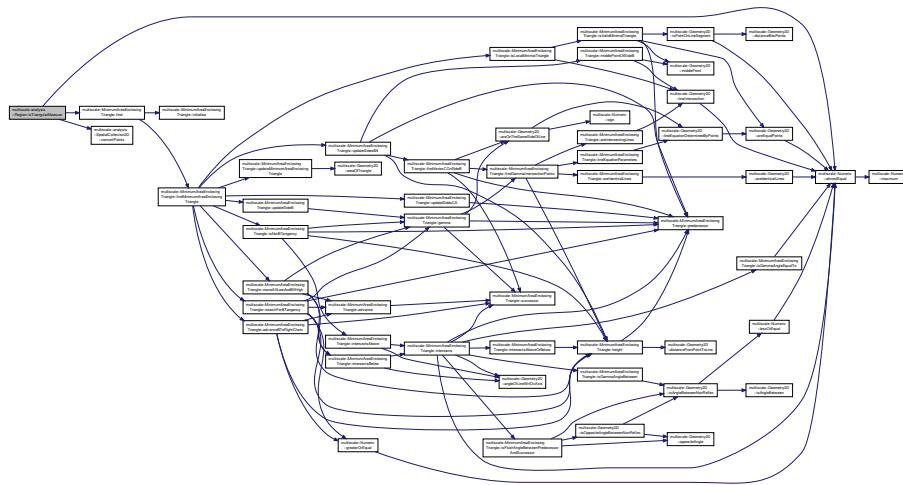


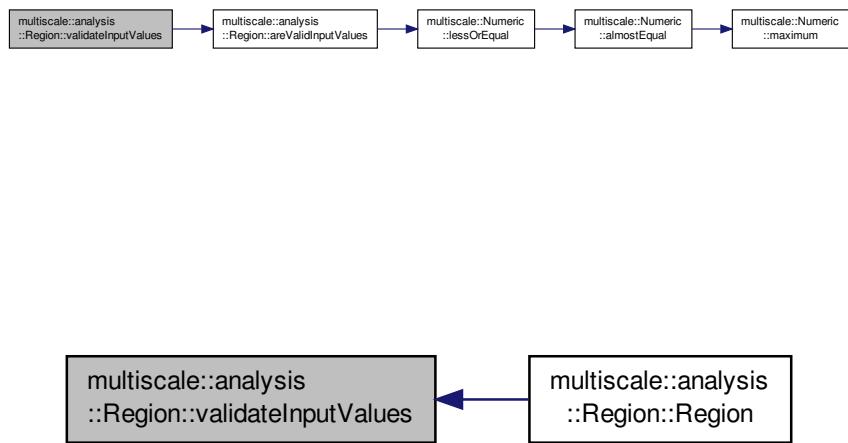


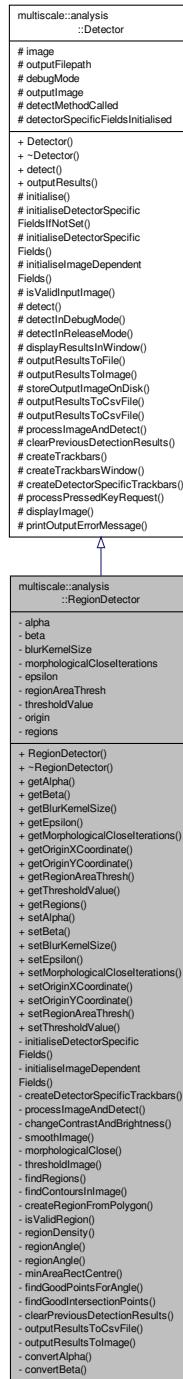


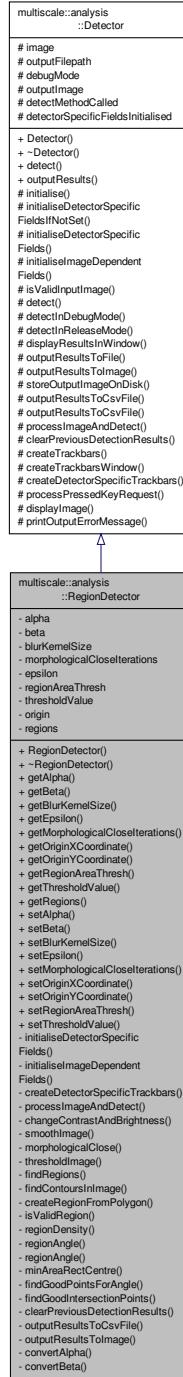


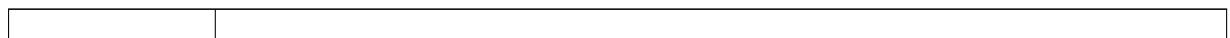
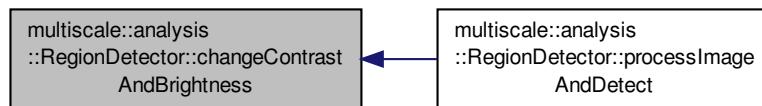
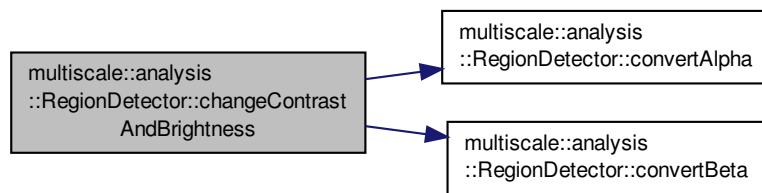


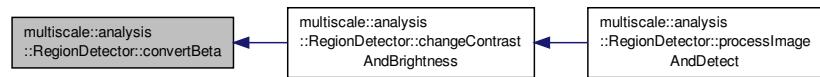
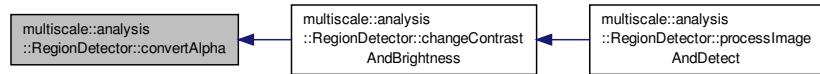


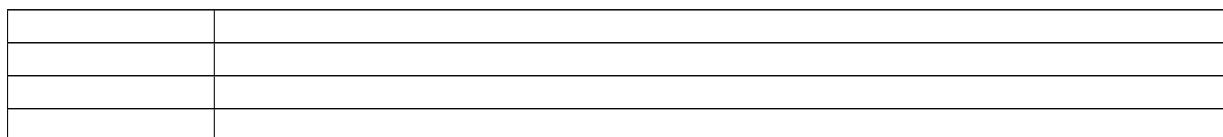
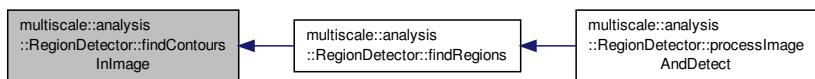
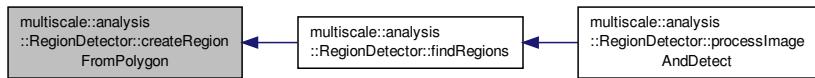
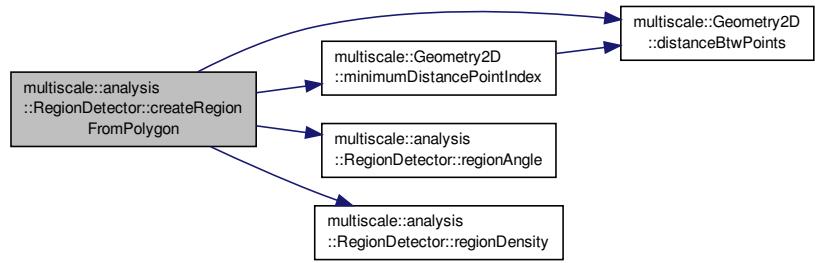


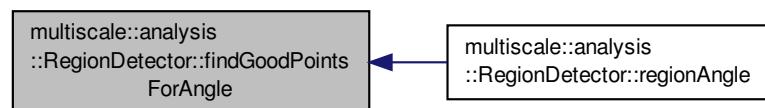
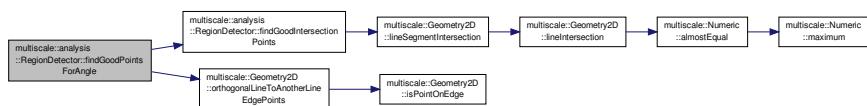
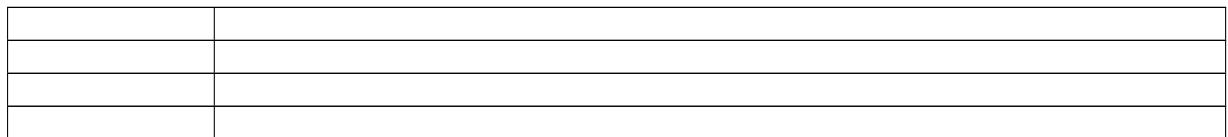
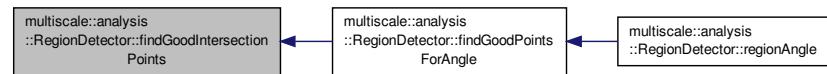


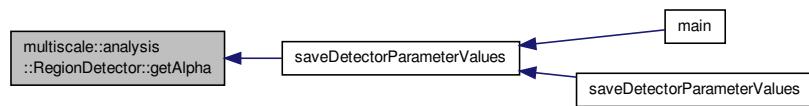
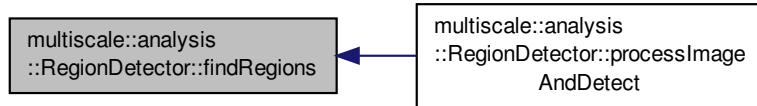
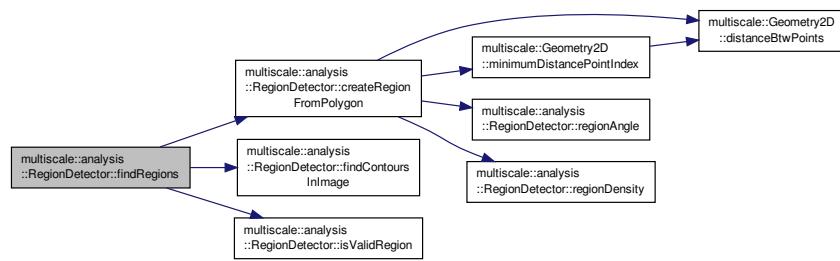


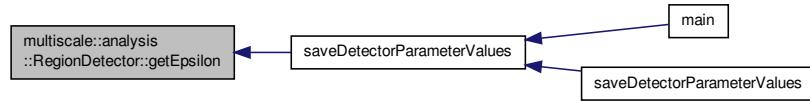
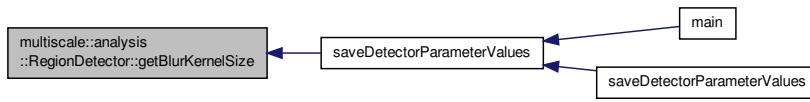
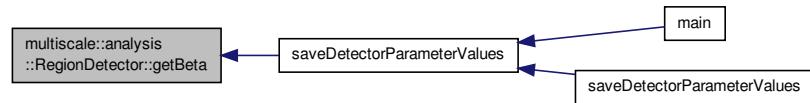


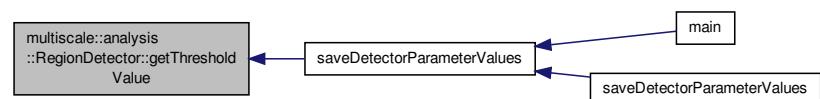
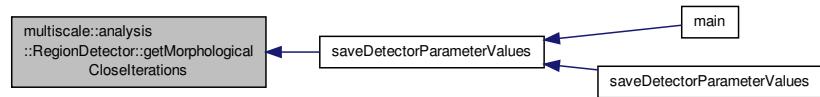




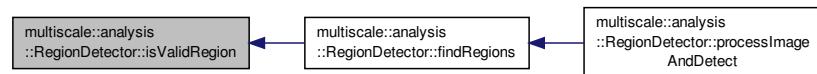


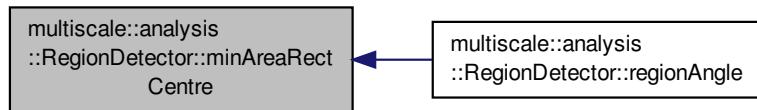






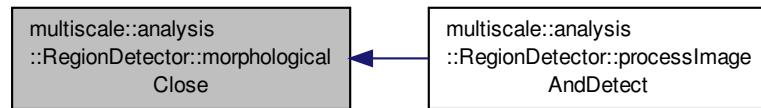
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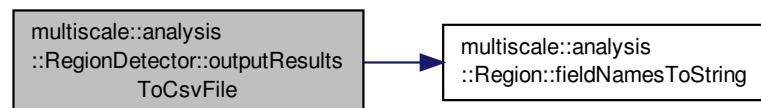


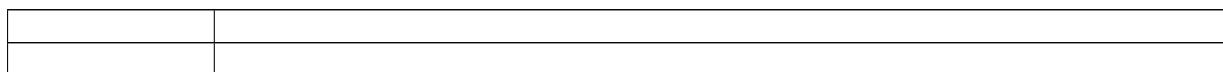
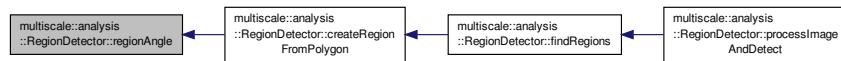
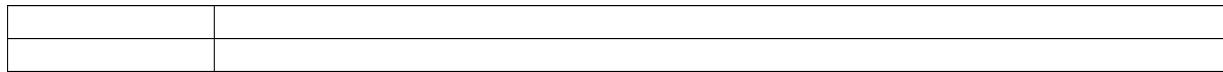
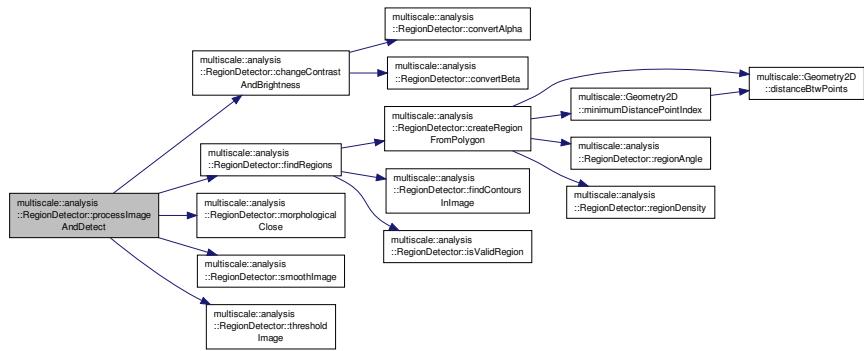
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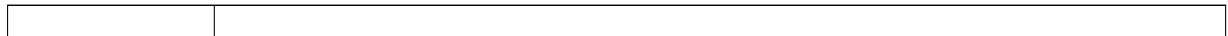
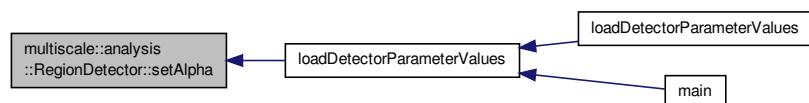
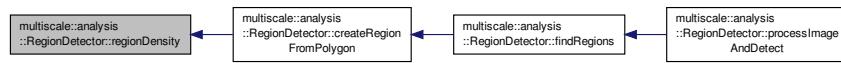
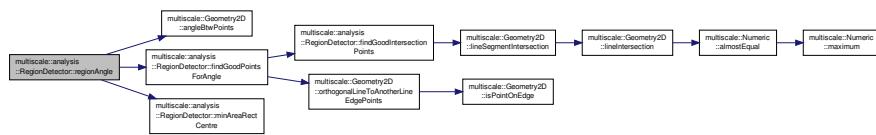
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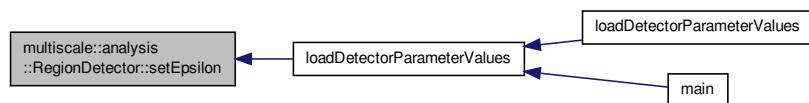
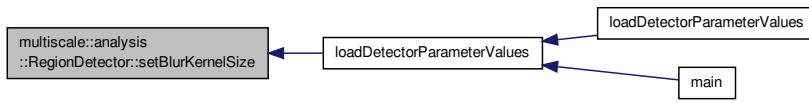
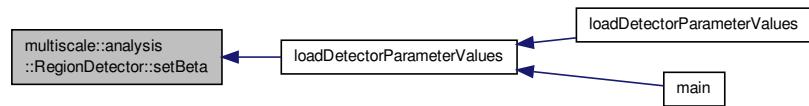


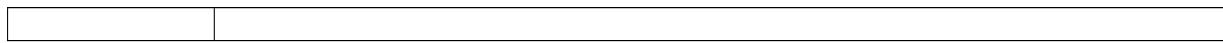
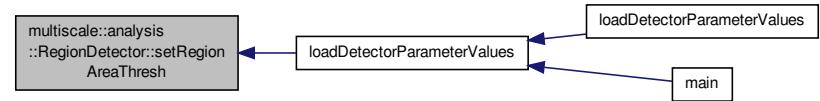
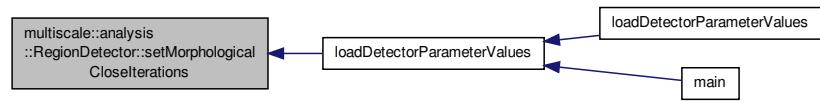
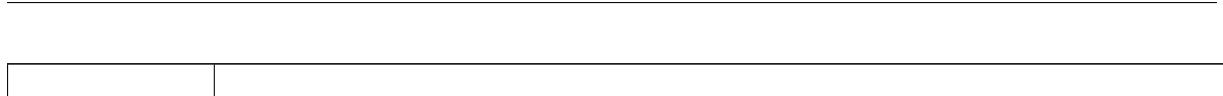
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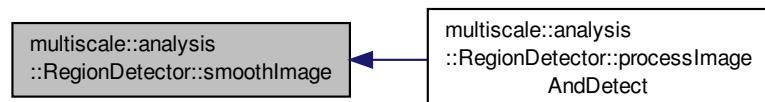
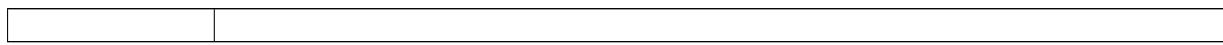
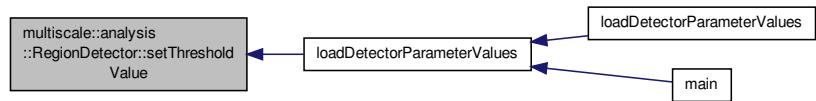


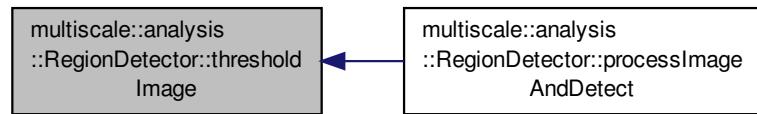


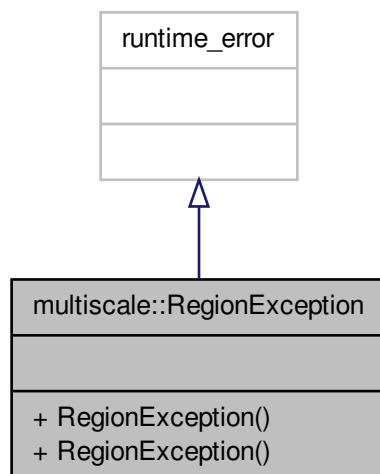
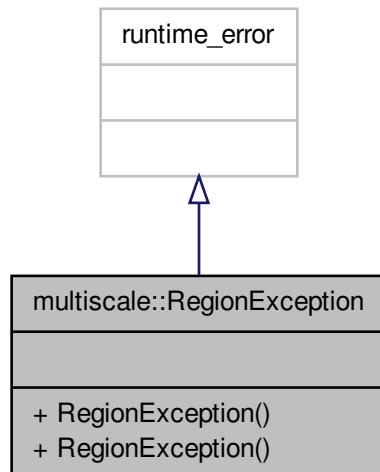




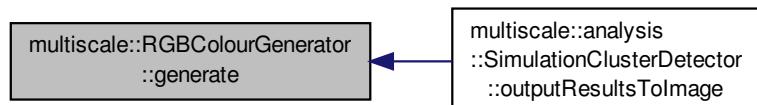




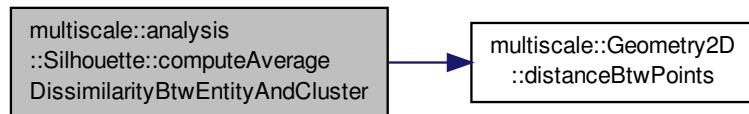


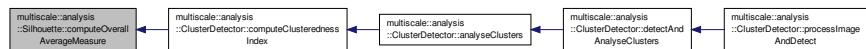
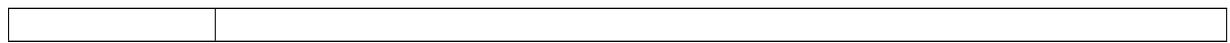
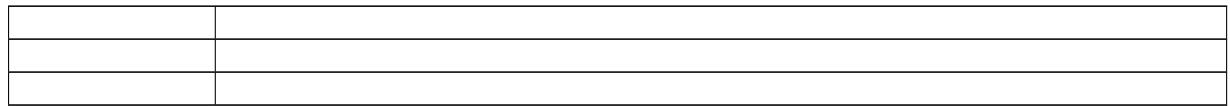
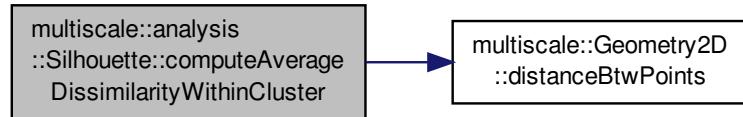


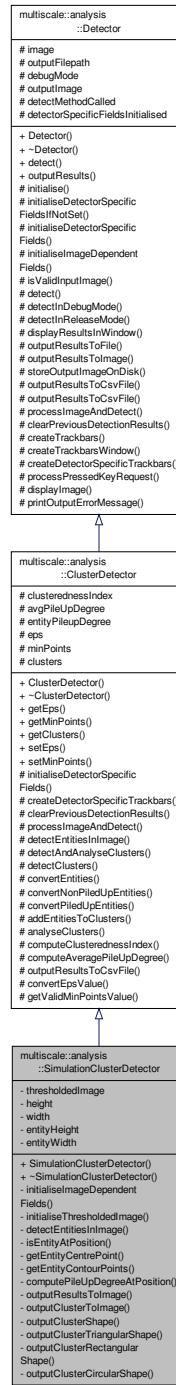
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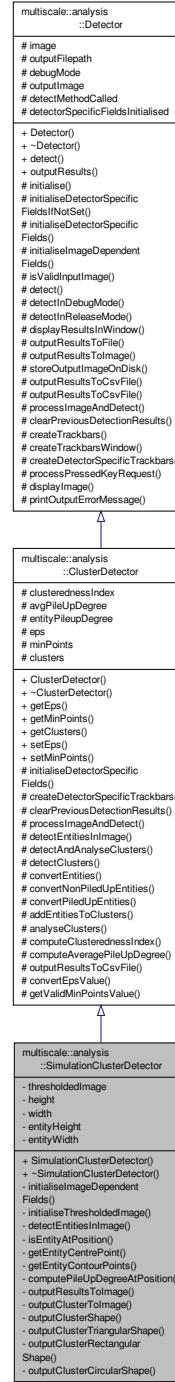


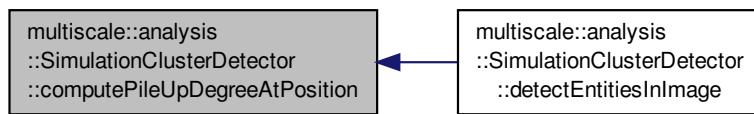
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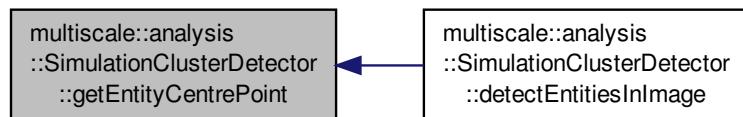
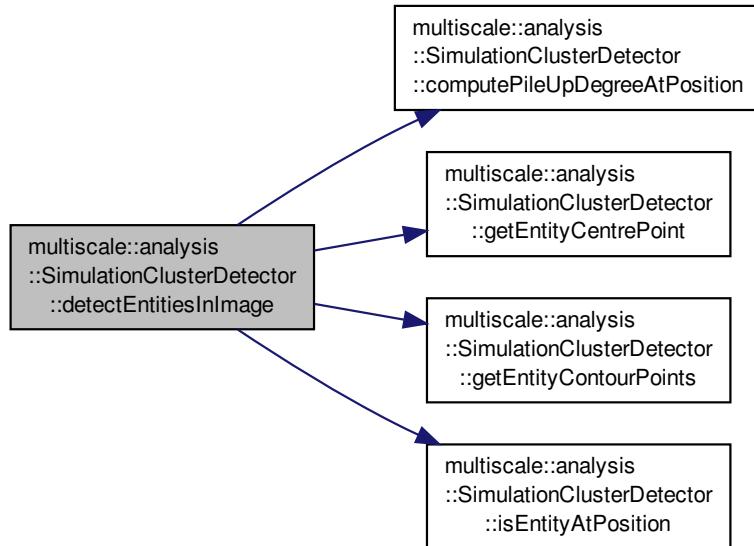


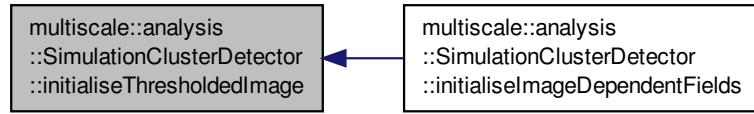
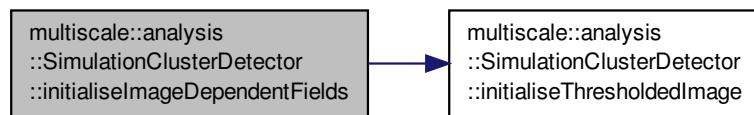
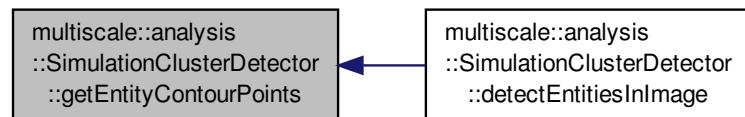


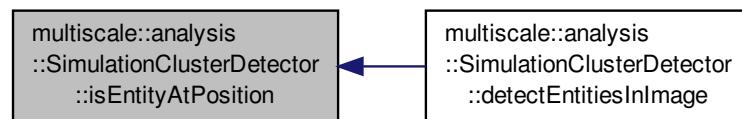


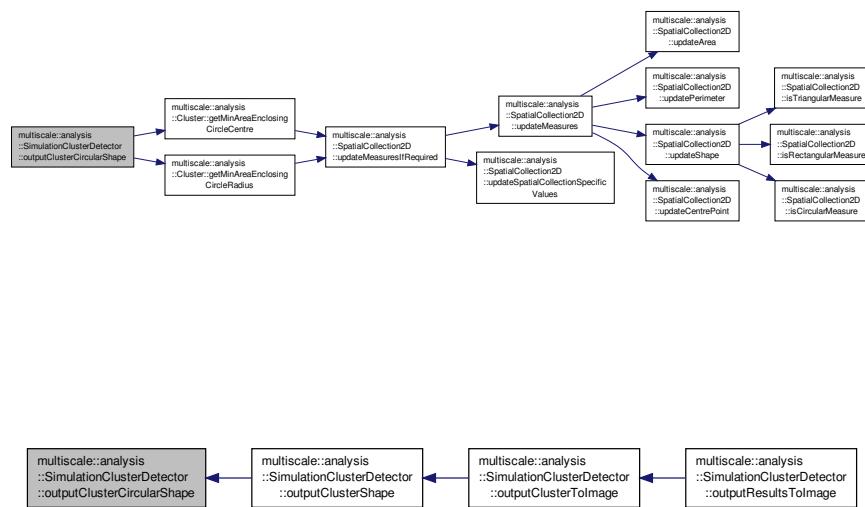


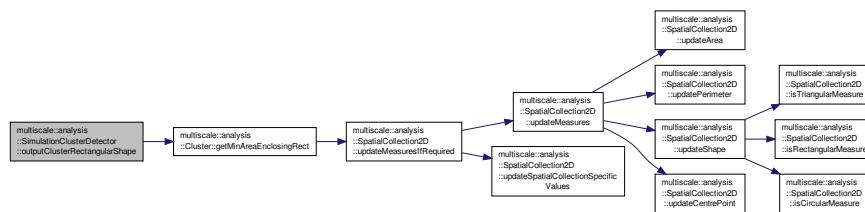


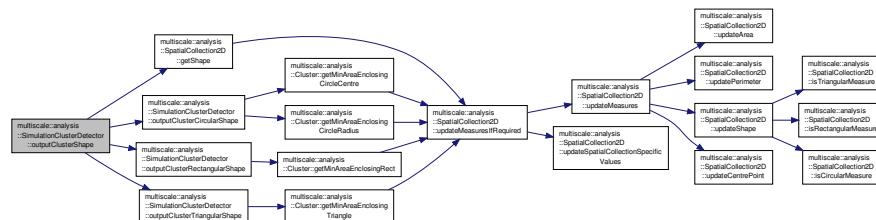


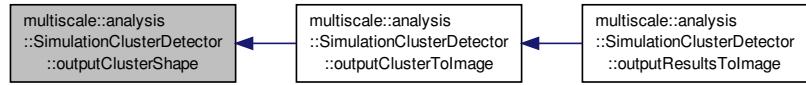


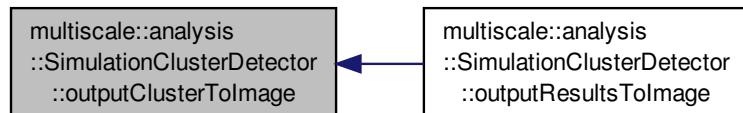
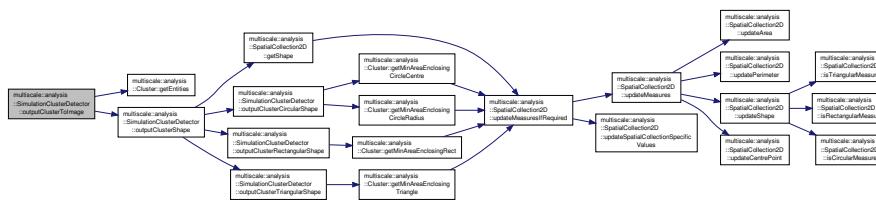


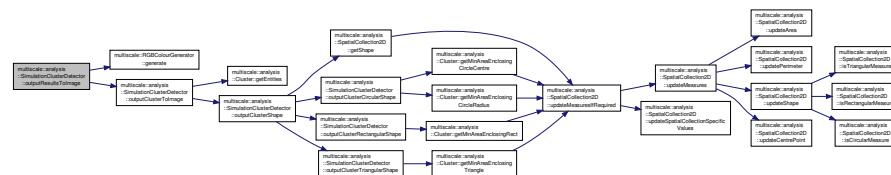
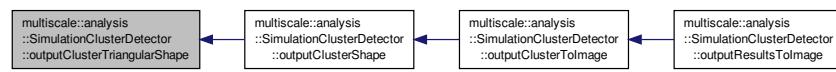
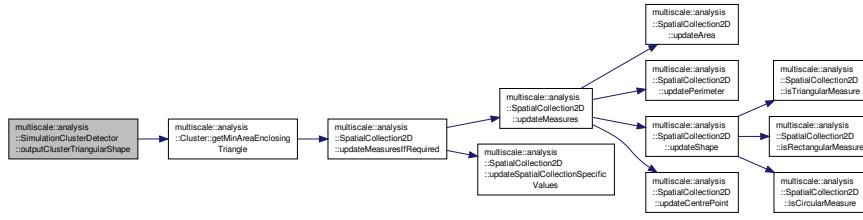


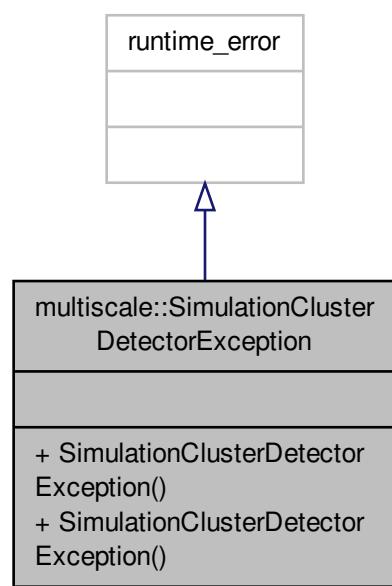


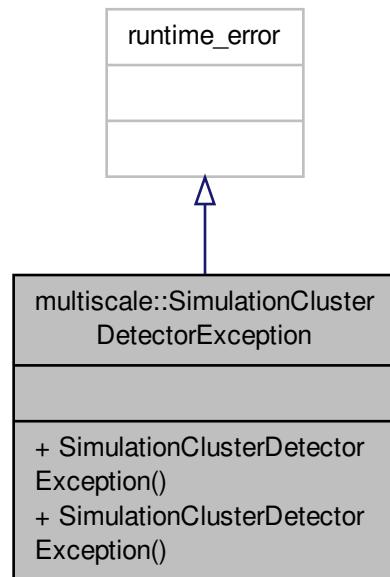


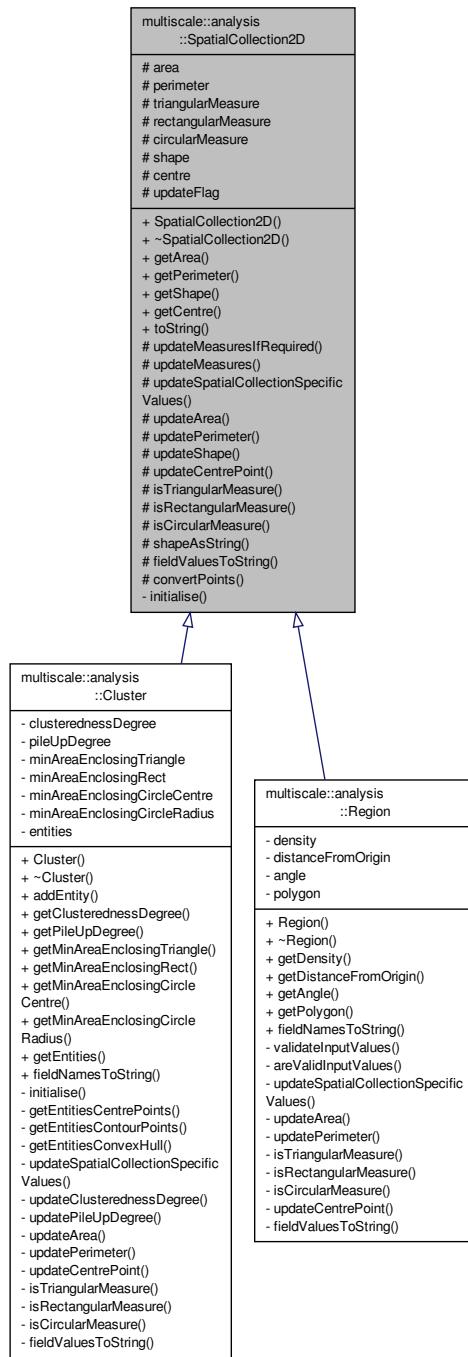








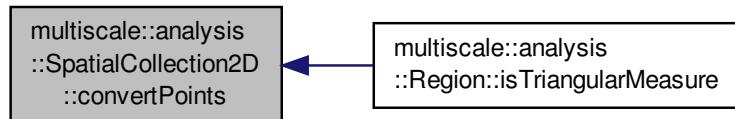
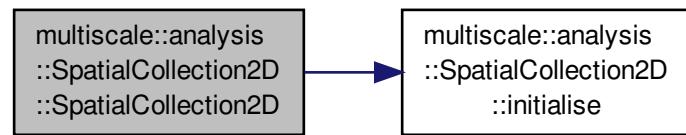


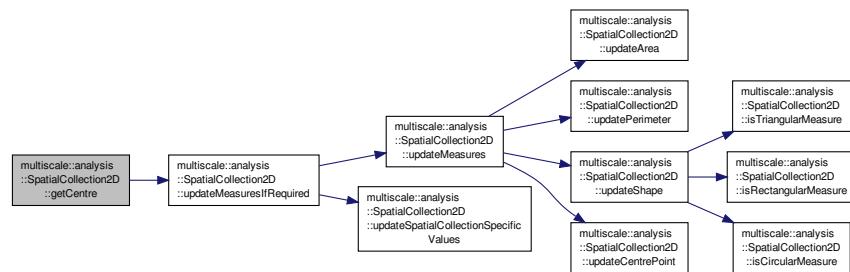
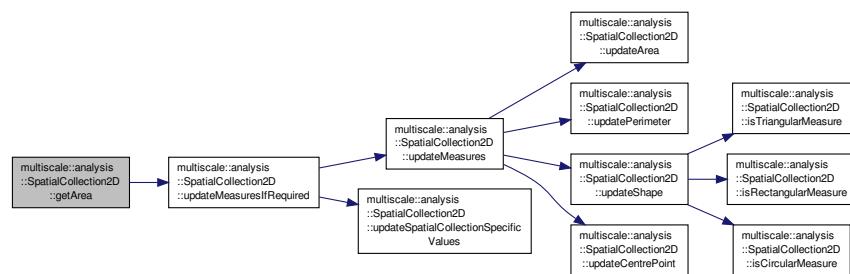
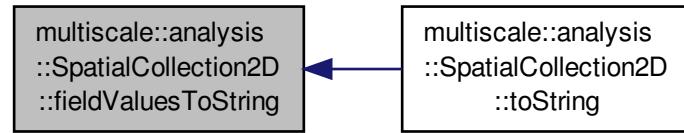


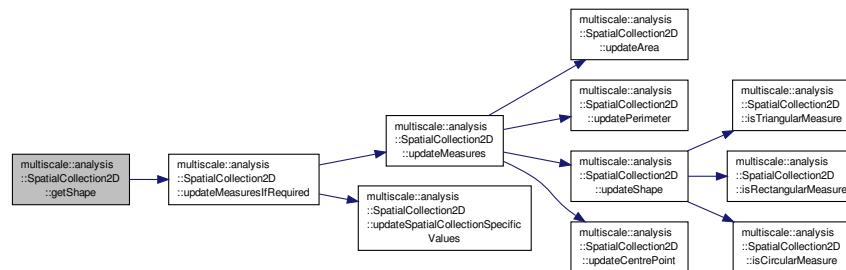
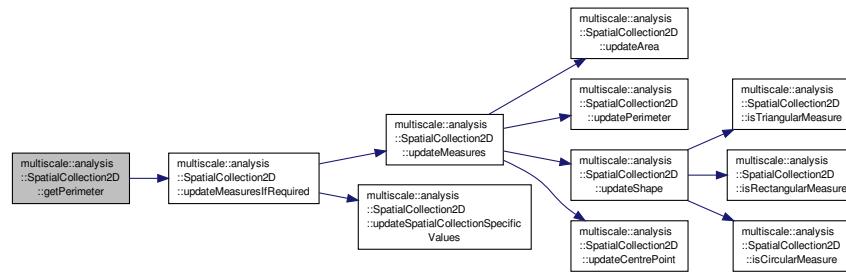
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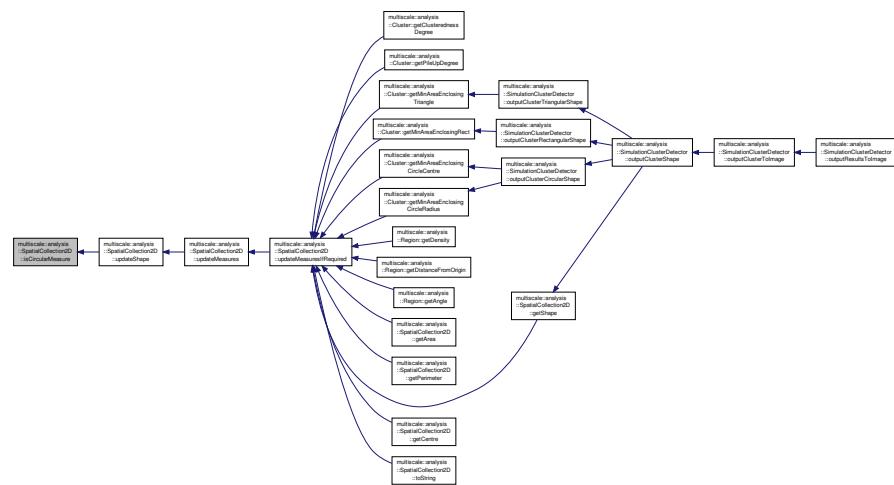
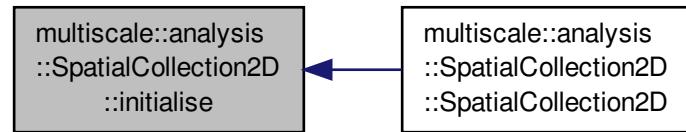
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# perimeter
# triangularMeasure
# rectangularMeasure
# circularMeasure
# shape
# centre
# updateFlag

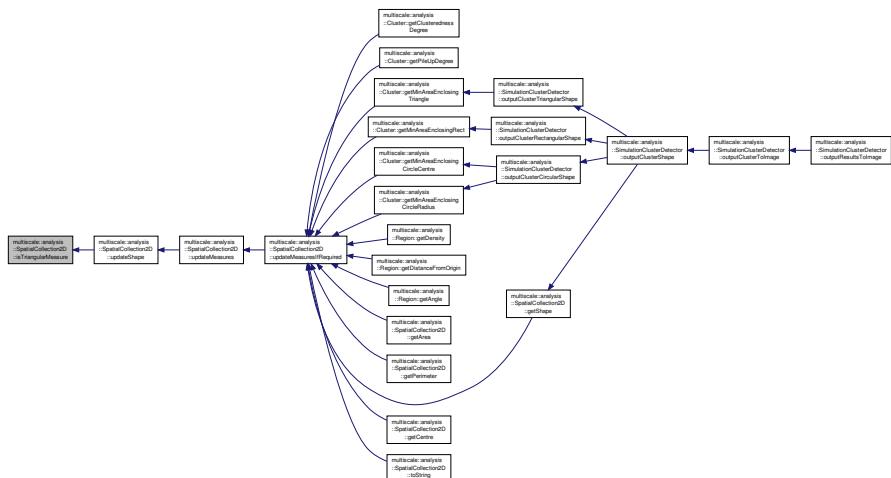
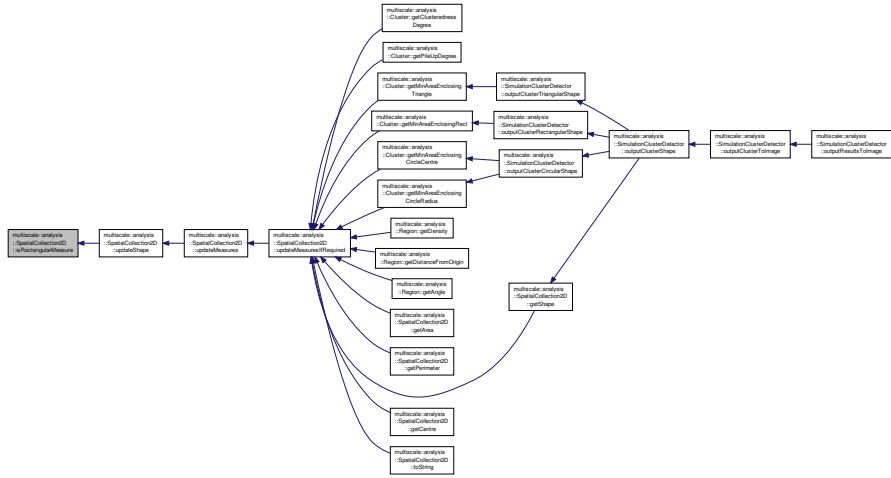
+ SpatialCollection2D()
+ ~SpatialCollection2D()
+ getArea()
+ getPerimeter()
+ getShape()
+ getCentre()
+ toString()
# updateMeasuresIfRequired()
# updateMeasures()
# updateSpatialCollectionSpecific
Values()
# updateArea()
# updatePerimeter()
# updateShape()
# updateCentrePoint()
# isTriangularMeasure()
# isRectangularMeasure()
# isCircularMeasure()
# shapeAsString()
# fieldValuesToString()
# convertPoints()
- initialise()
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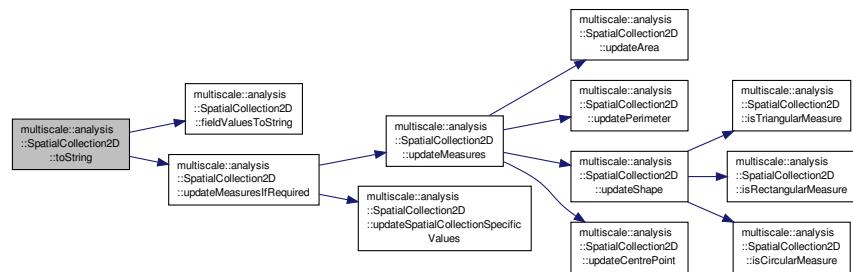
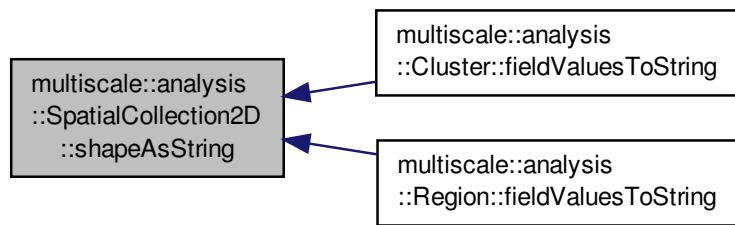



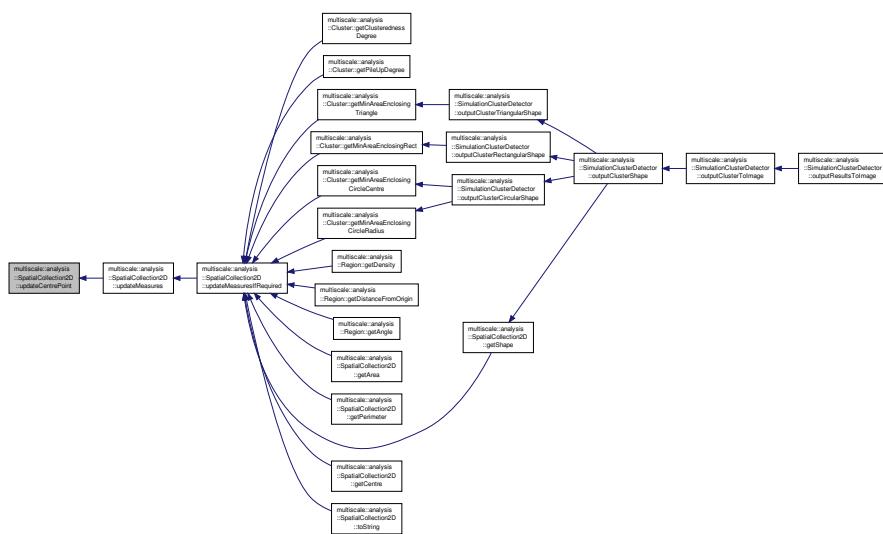
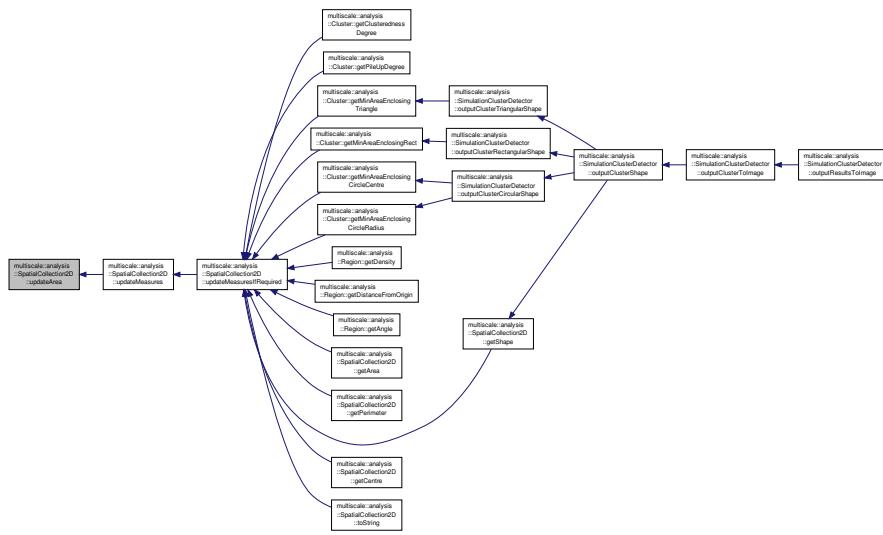


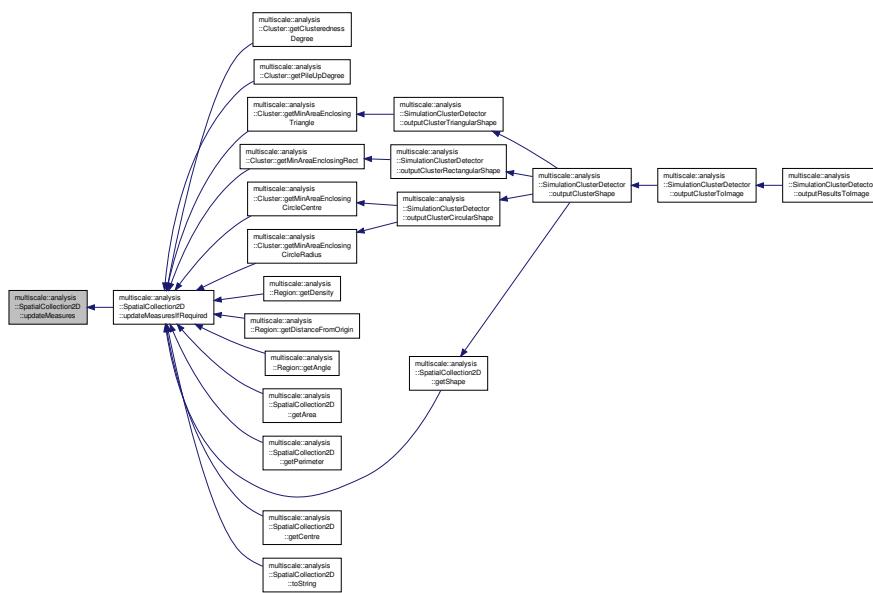
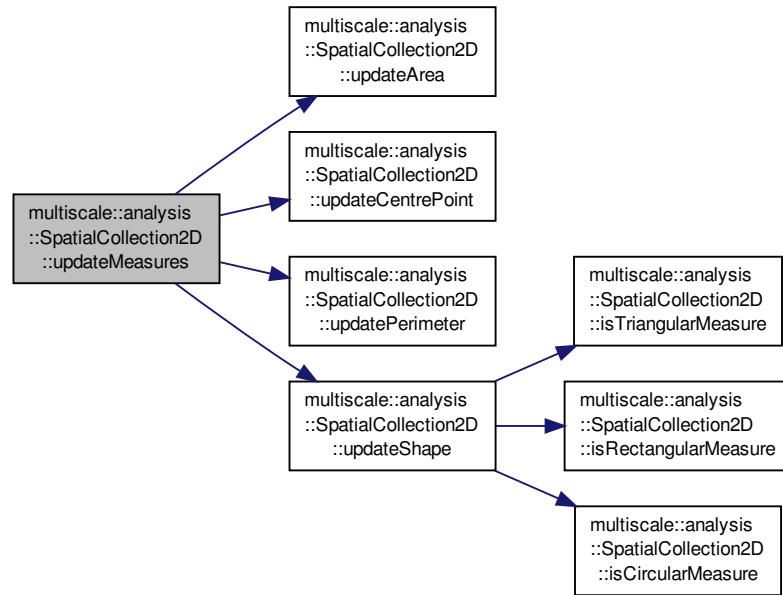


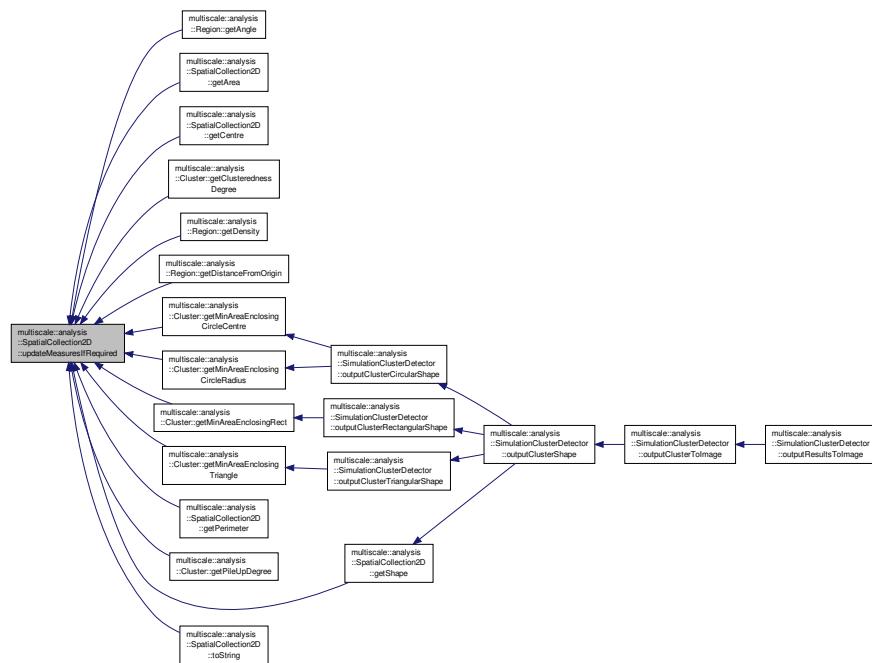
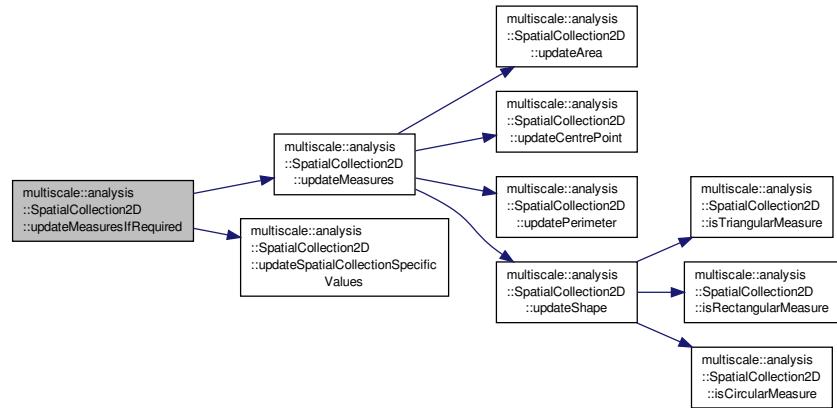


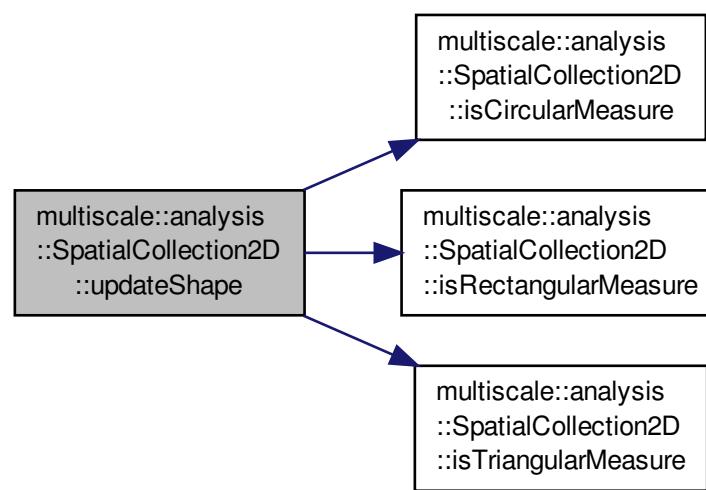
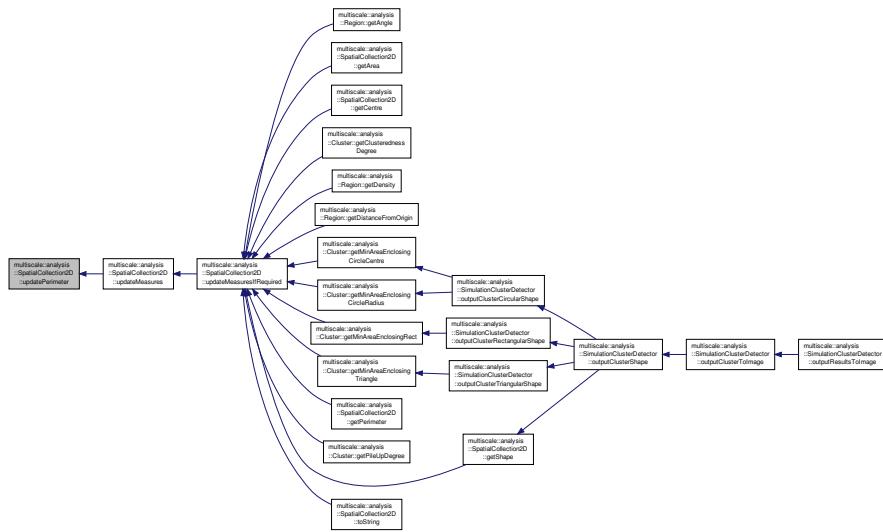


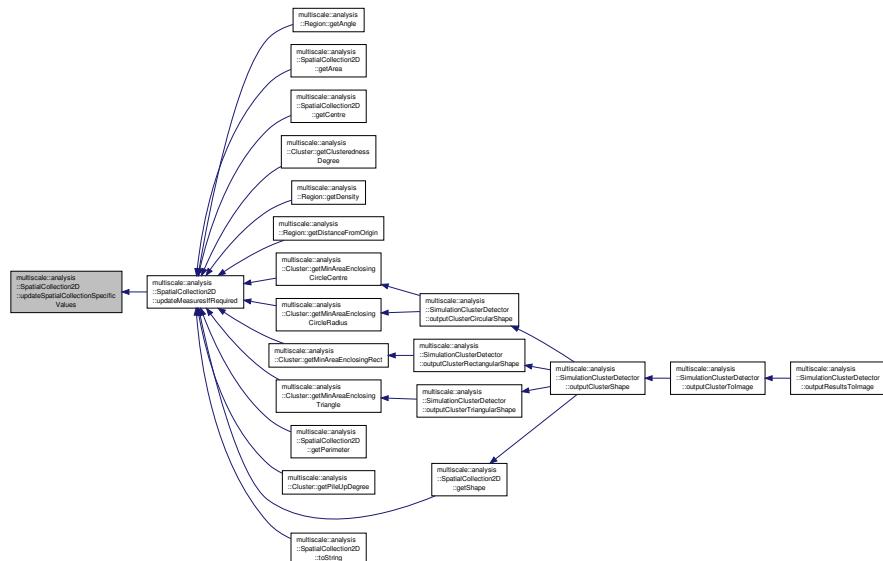
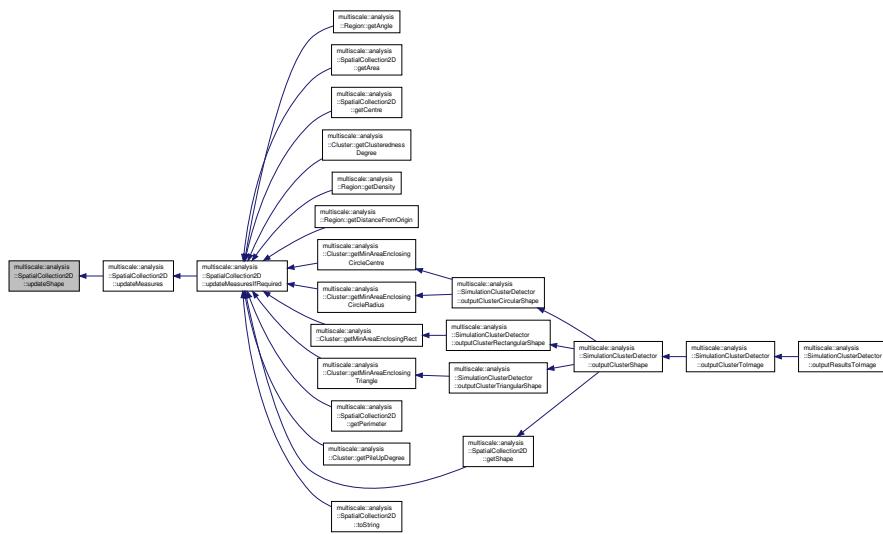


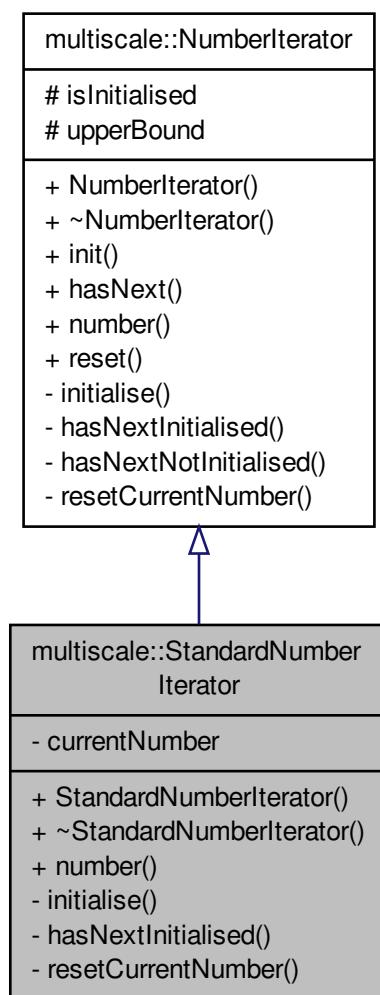


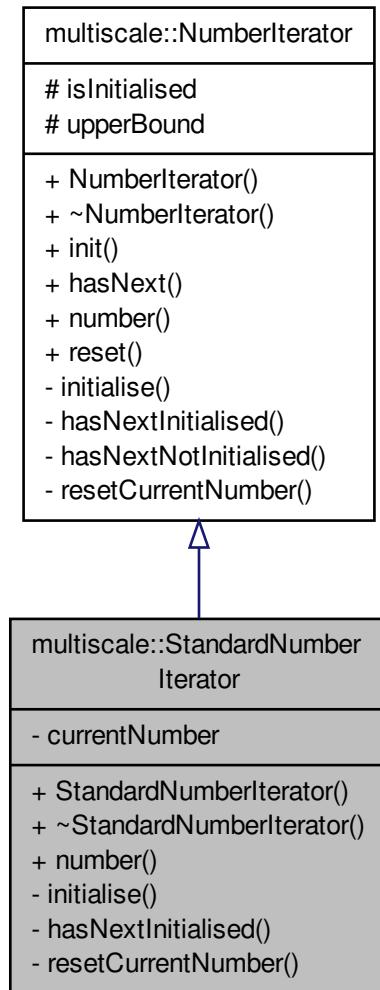


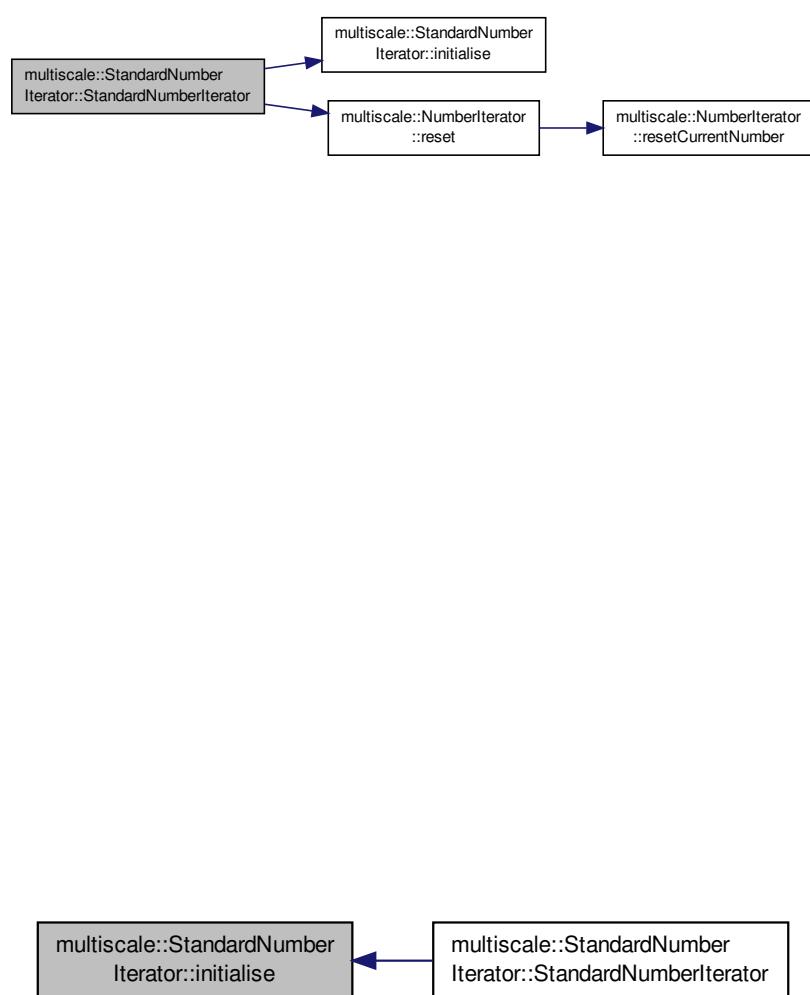


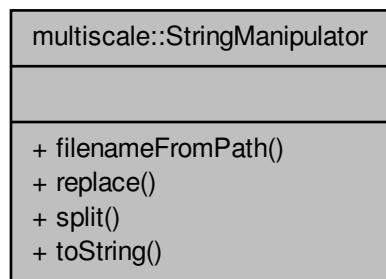




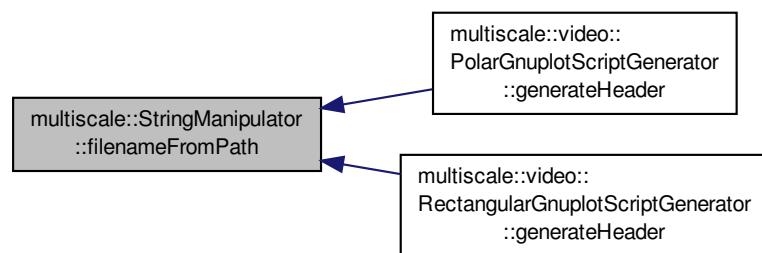


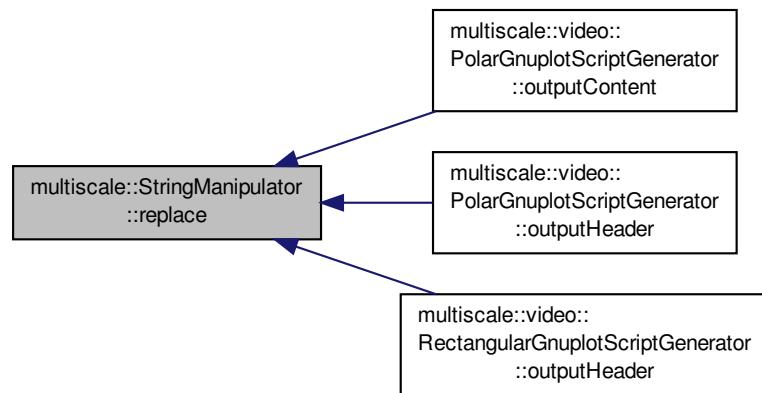




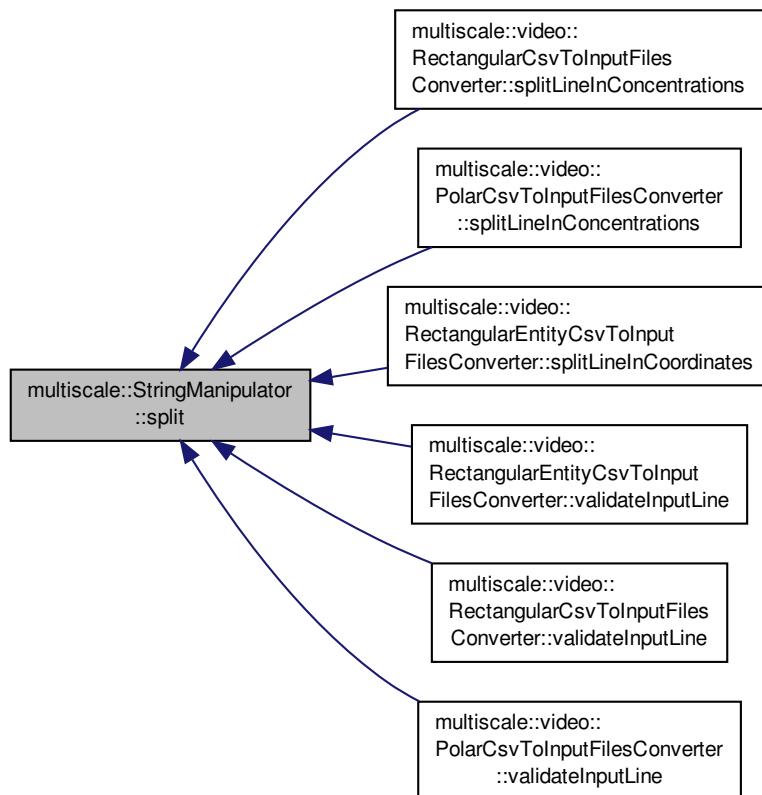


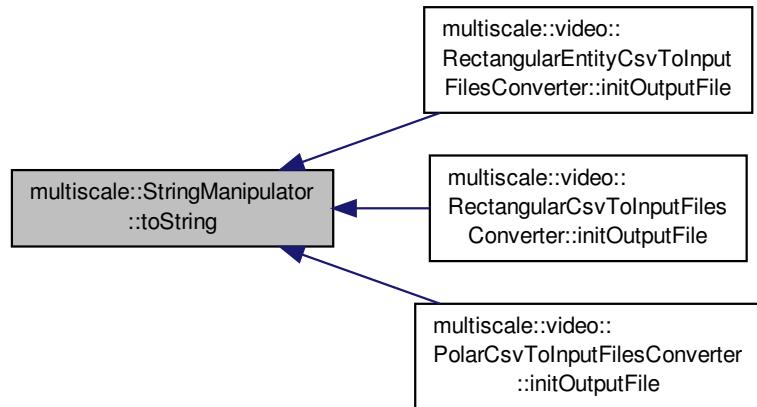
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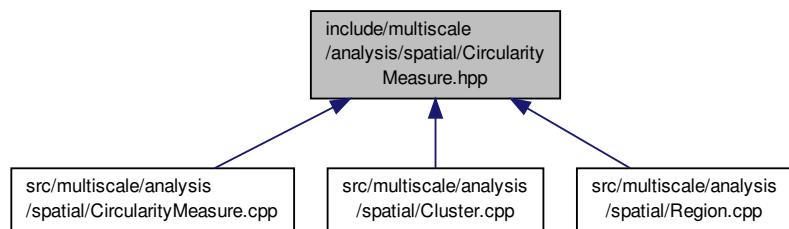
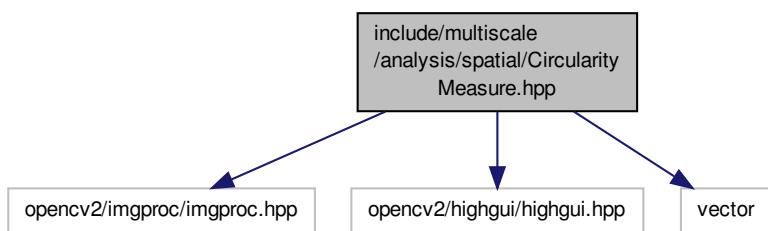


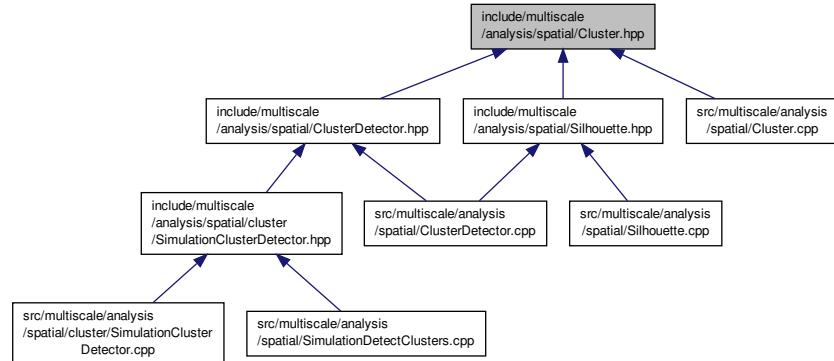
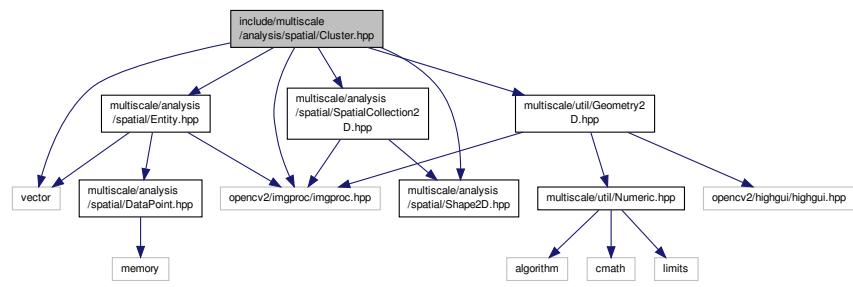


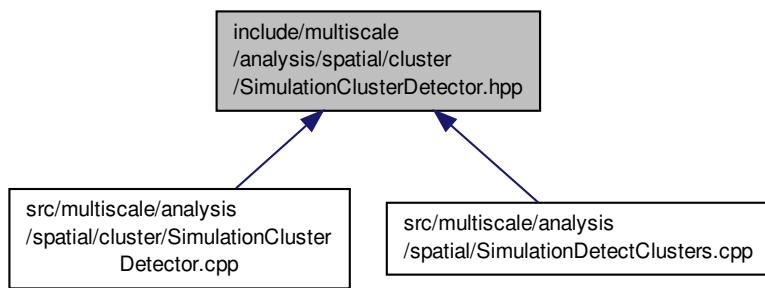
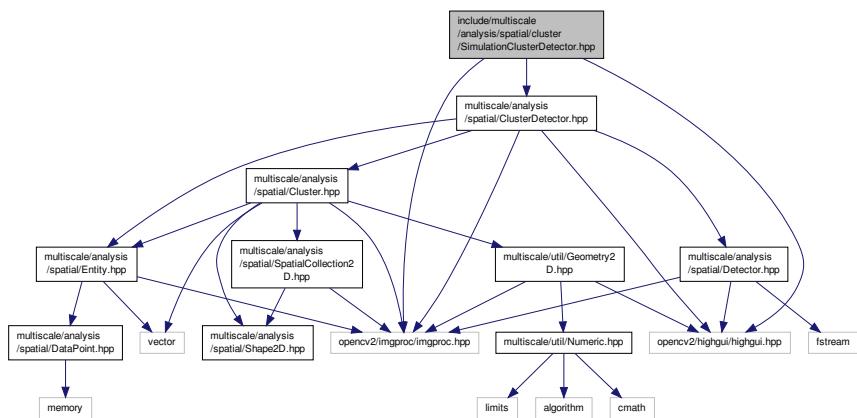
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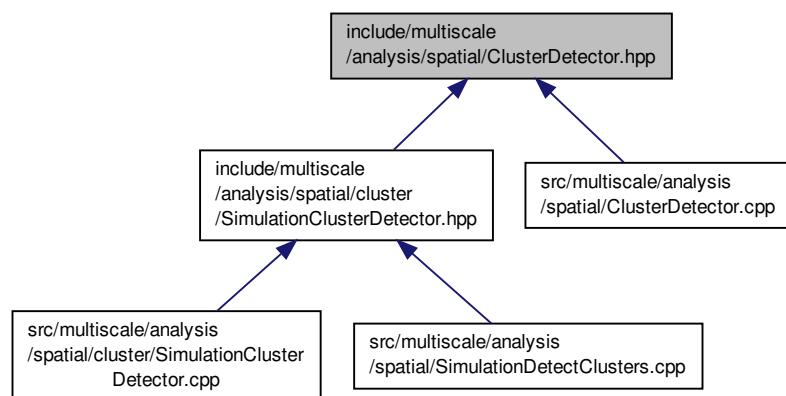
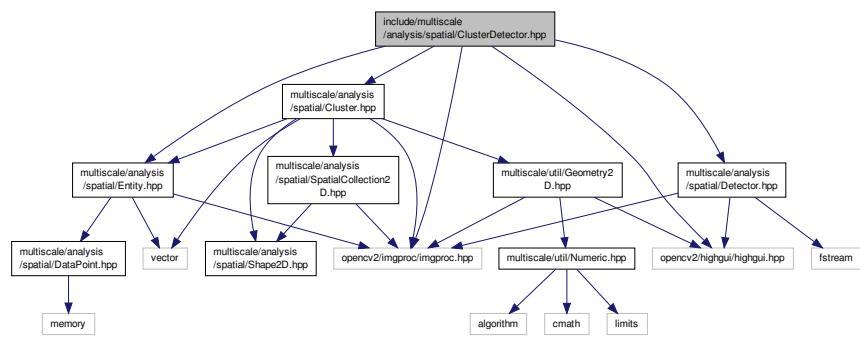


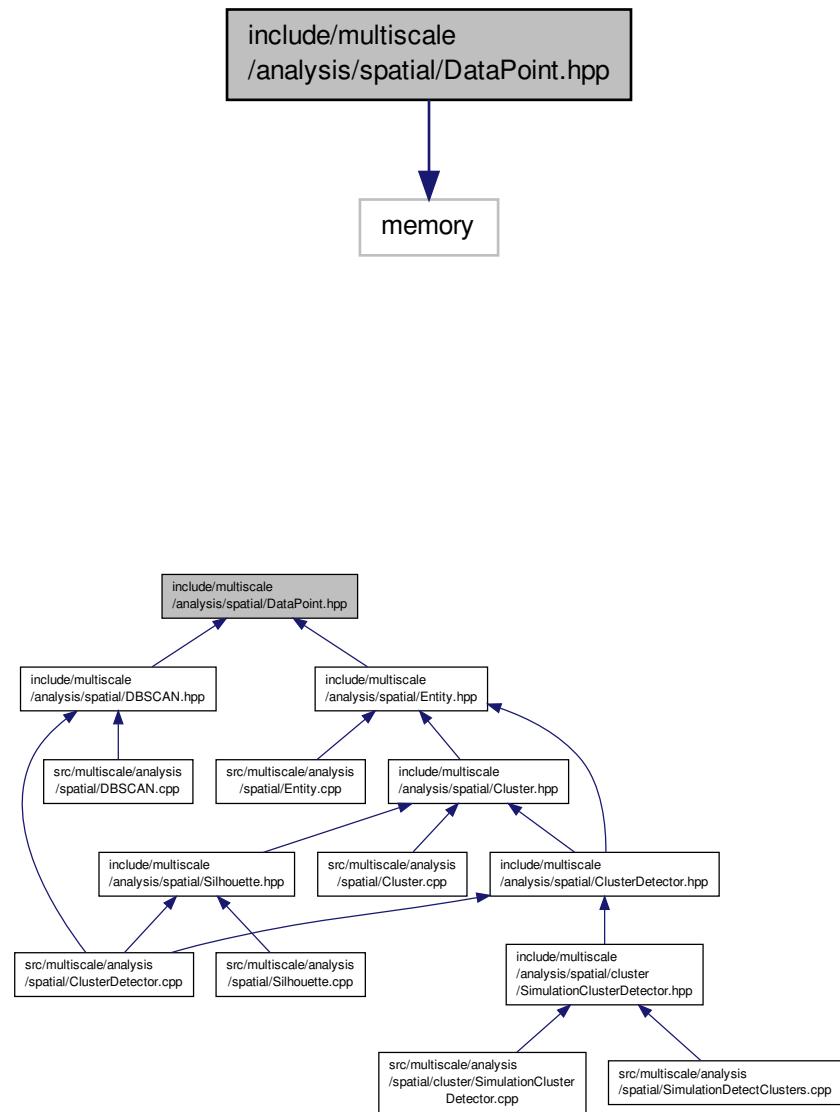


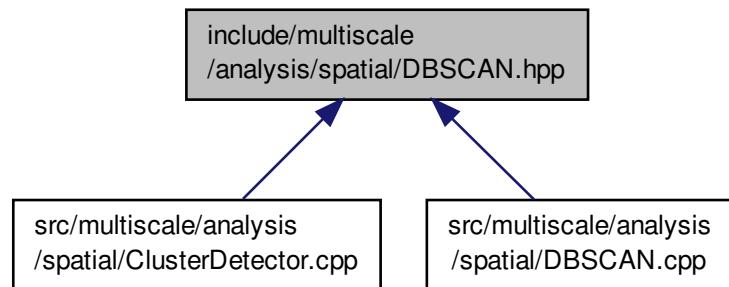
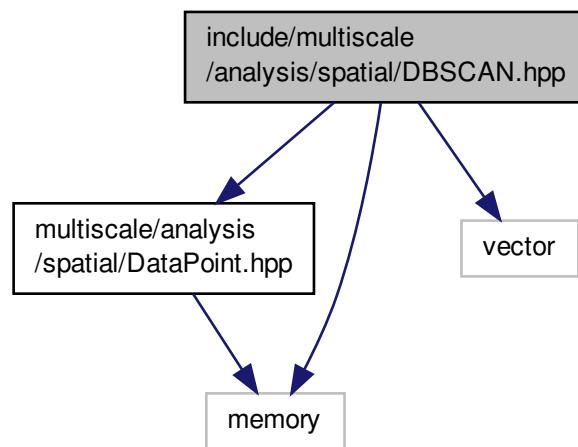


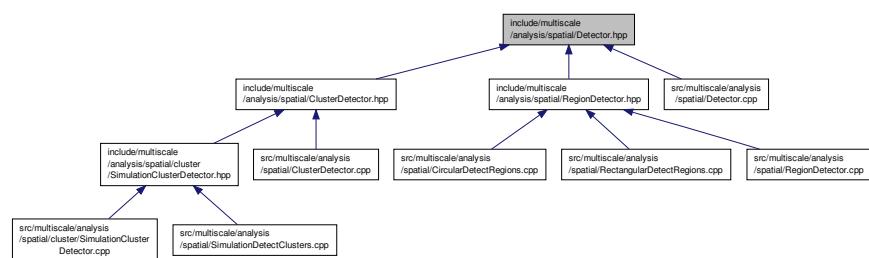
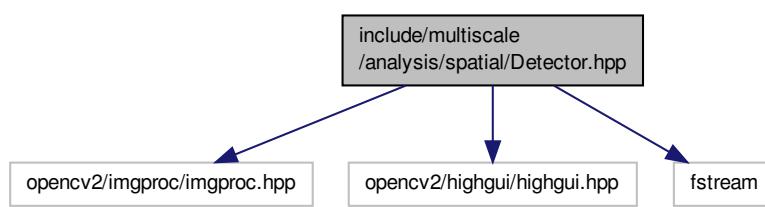


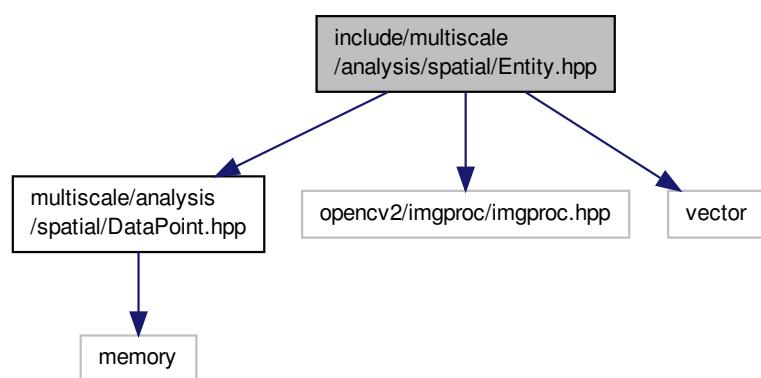


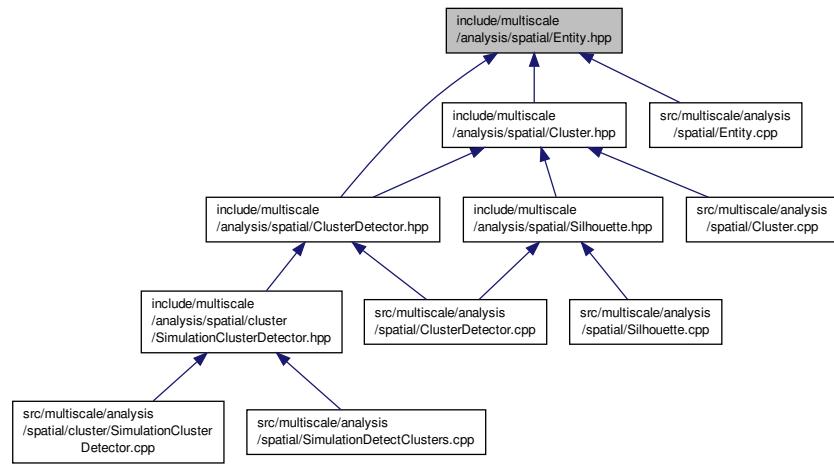


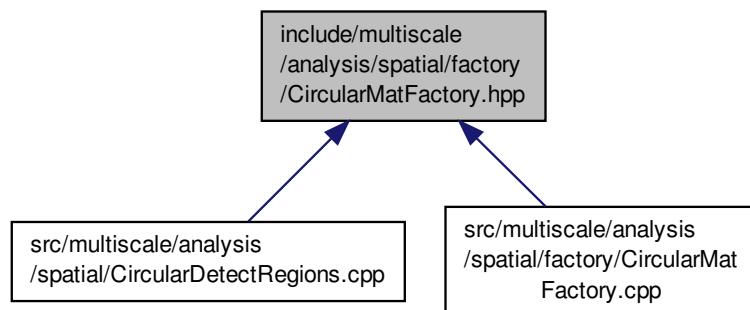
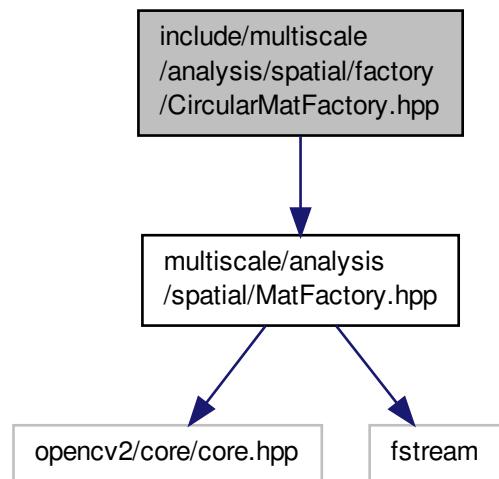


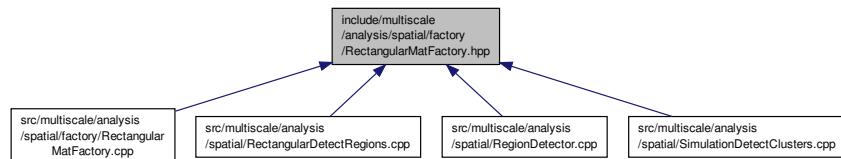
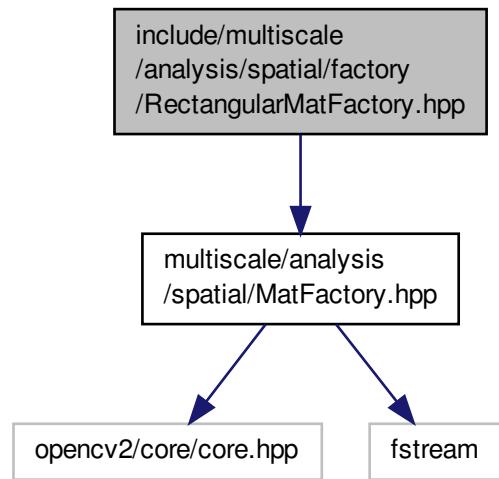


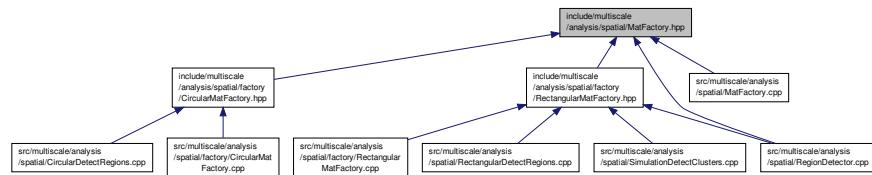
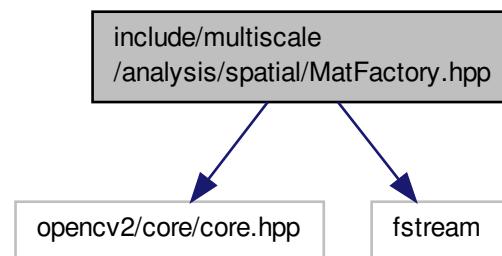


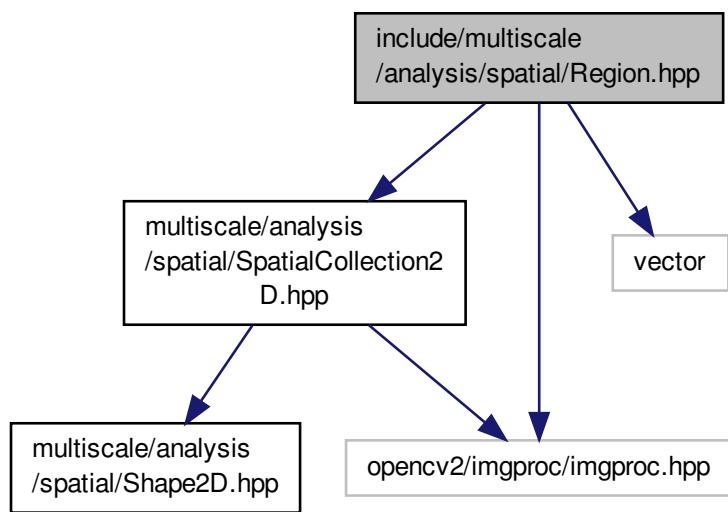


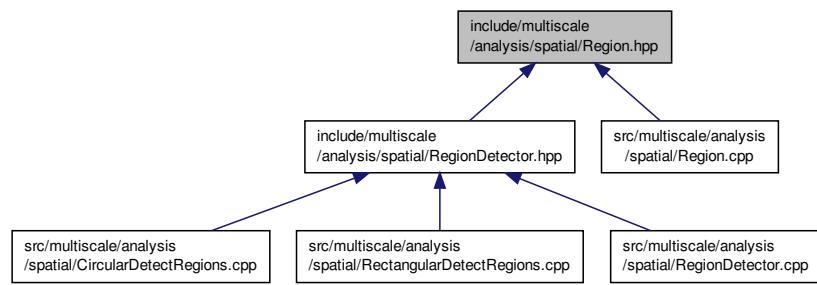


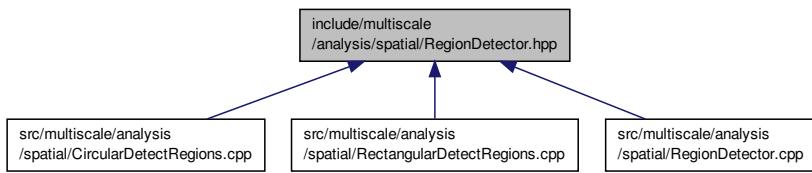
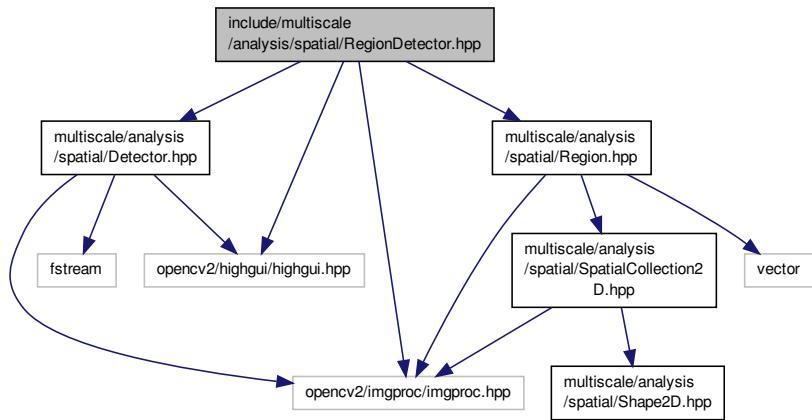


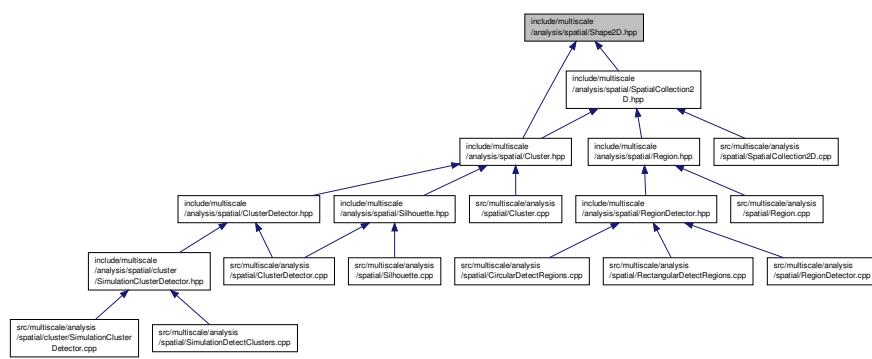


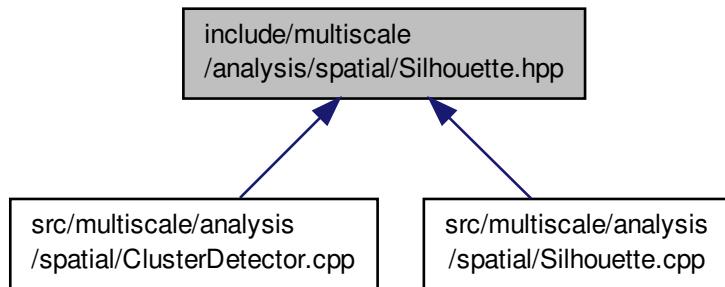
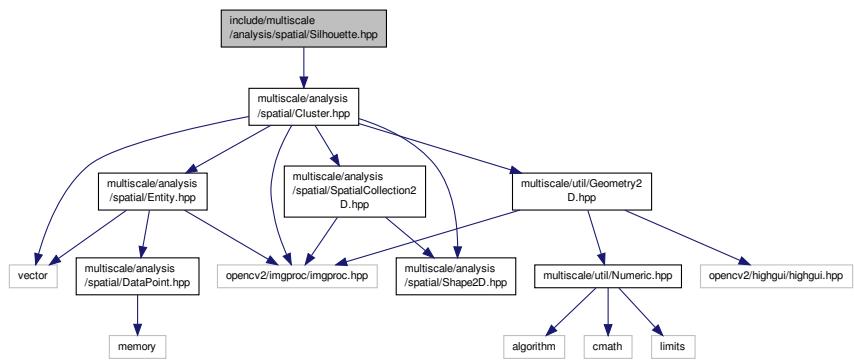


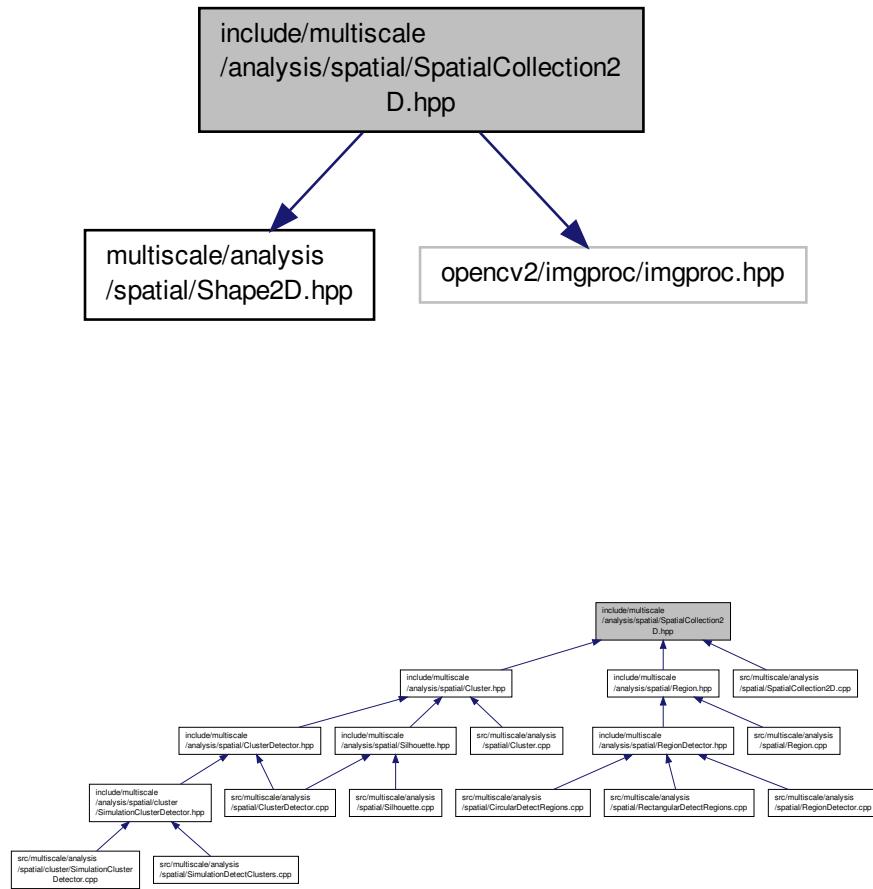


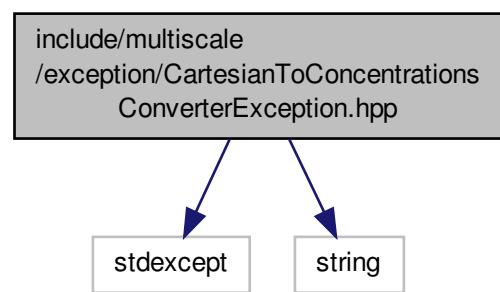


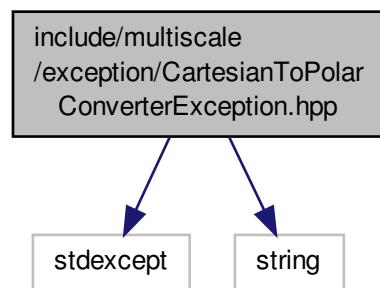
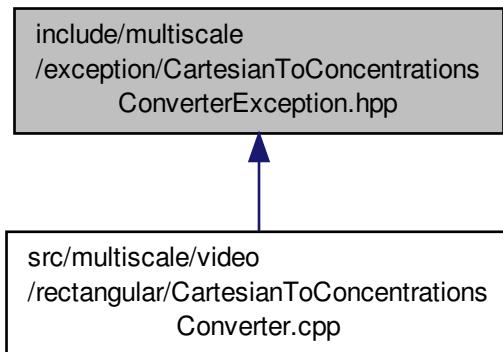


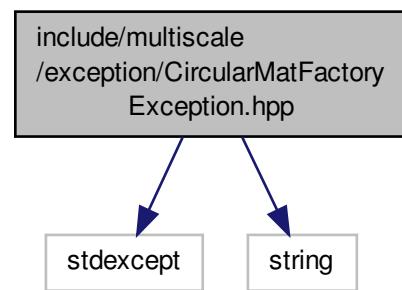
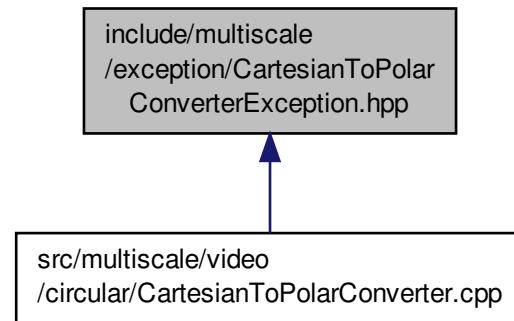


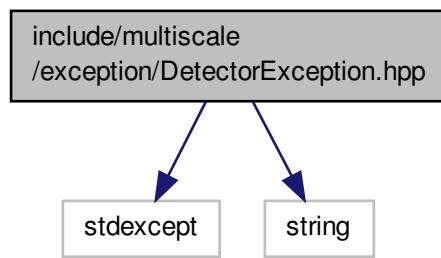
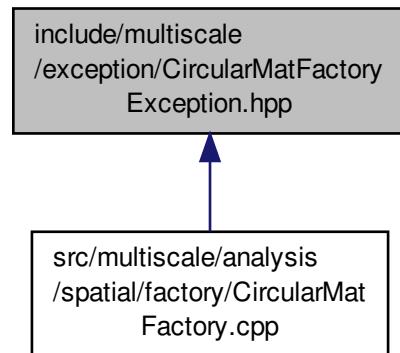


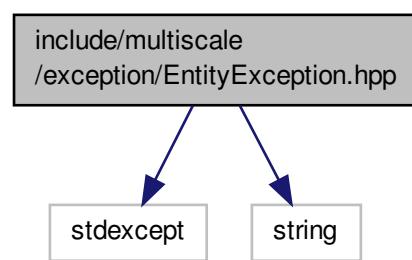
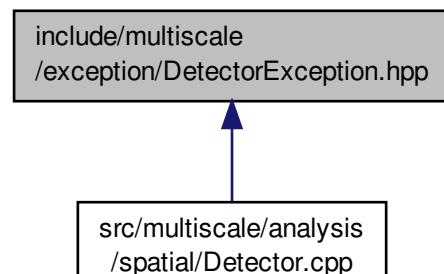


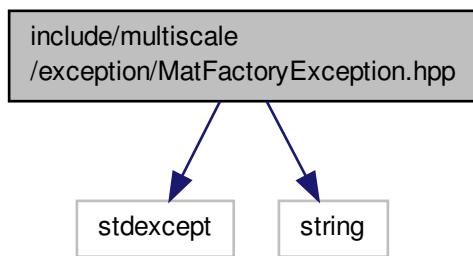
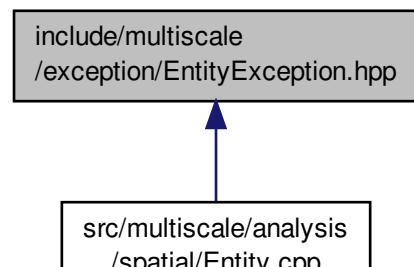


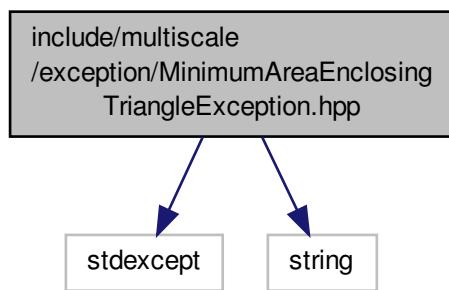
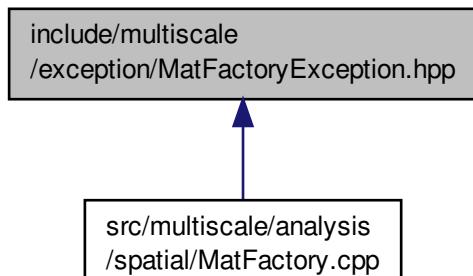


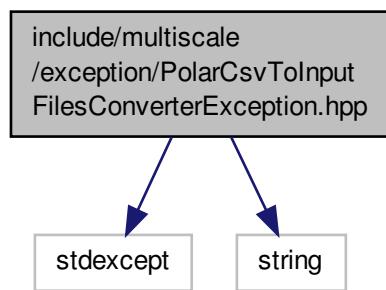
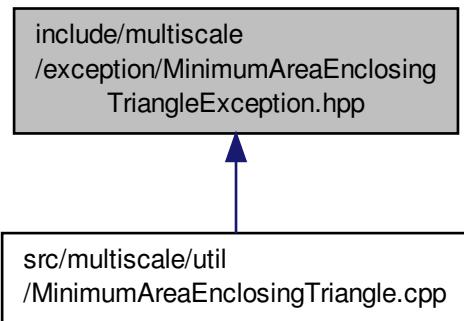


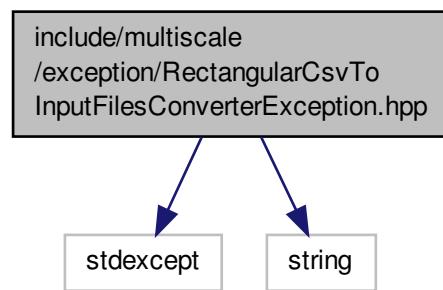
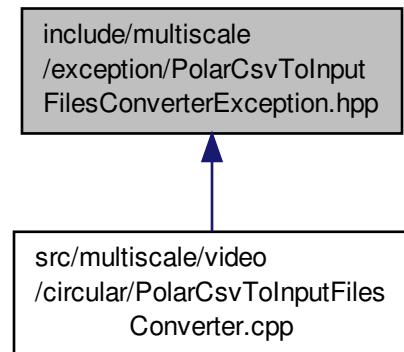












```
include/multiscale
/exception/RectangularCsvTo
InputFilesConverterException.hpp
```

```
src/multiscale/video
/rectangular/RectangularCsv
ToInputFilesConverter.cpp
```

```
include/multiscale
/exception/RectangularEntity
CsvToInputFilesConverterException.hpp
```

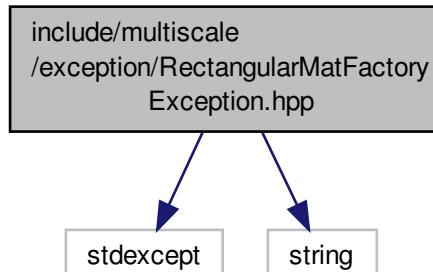
```
stdexcept    string
```

```
include/multiscale
/exception/RectangularEntity
CsvToInputFilesConverterException.hpp
```

```
src/multiscale/video
/rectangular/RectangularEntity
CsvToInputFilesConverter.cpp
```

```
include/multiscale
/exception/RectangularMatFactory
Exception.hpp
```

```
stdexcept    string
```

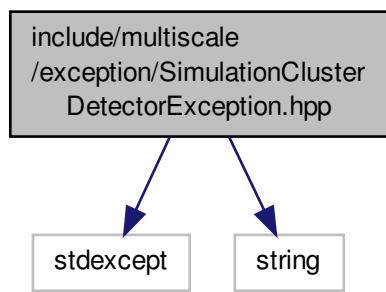
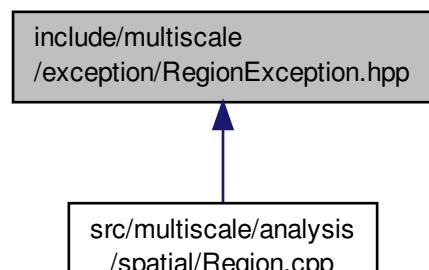


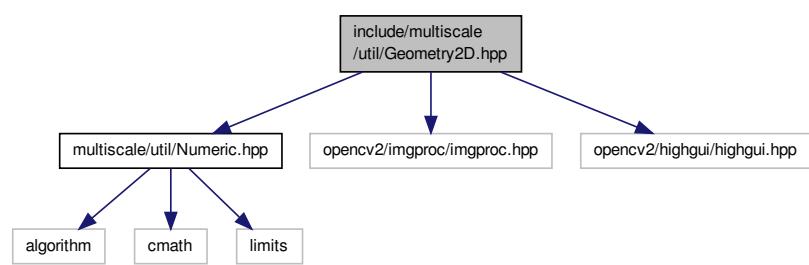
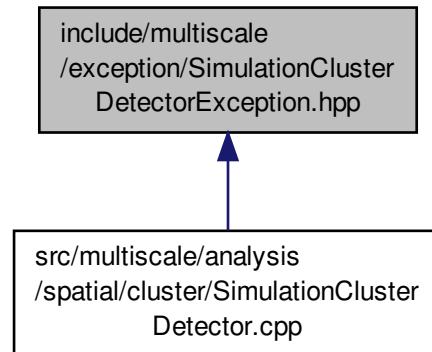
```
include/multiscale
/exception/RectangularMatFactory
Exception.hpp
```

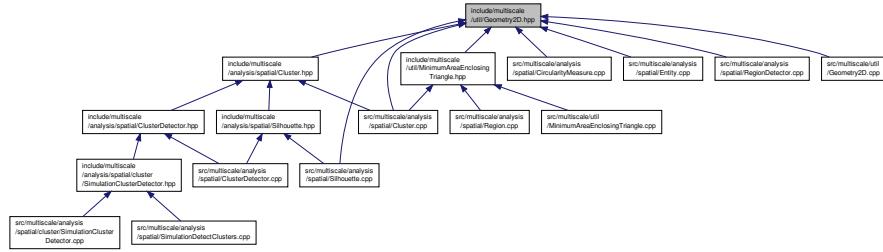
```
src/multiscale/analysis
/spatial/factory/Rectangular
MatFactory.cpp
```

```
include/multiscale
/exception/RegionException.hpp
```

```
stdexcept    string
```







include/multiscale
 /util/iterator/Lexicographic
 NumberIterator.hpp

multiscale/util/NumberIterator.hpp

vector

