multiscale::analysis ::SpatialCollection2D # clusterednessDegree # area # perimeter # distanceFromOrigin # angle # triangularMeasure # rectangularMeasure # circularMeasure # shape # centre # updateFlag # STR_TRIANGLE # STR_RECTANGLE # STR_CIRCLE # STR_UNDEFINED # OUTPUT_SEPARATOR #ERR INPUT # CONVEX_HULL_CLOCKWISE + SpatialCollection2D() + ~SpatialCollection2D() + getClusterednessDegree() + getArea() + getPerimeter() + getDistanceFromOrigin() + getAngle() + getShape() + getCentre() + toString() # updateMeasuresIfRequired() # updateMeasures() # updateSpatialCollectionSpecific Values() # updateClusterednessDegree() # updateArea() # updatePerimeter() # updateShape() # updateCentrePoint() # isTriangularMeasure() # isRectangularMeasure() # isCircularMeasure() # shapeAsString() # fieldValuesToString() # convertPoints() initialise()

multiscale::analysis ::Cluster

- + ERR_UNDEFINED_SHAPE
- + ERR_ORIGIN_DEPENDENT _VALUES
- pileUpDegree
- minAreaEnclosingTriangle
- minAreaEnclosingRect
- minAreaEnclosingCircleCentre
- minAreaEnclosingCircleRadius
- entities
- + Cluster() + ~Cluster()
- + addEntity()
- + getPileUpDegree()
- + getMinAreaEnclosingTriangle() + getMinAreaEnclosingRect()
- getMinAreaEnclosingCircle
- Centre()
- + getMinAreaEnclosingCircle Radius()
- + getEntities()
- + getEntitiesConvexHull()
- + setOriginDependentMembers()
- + fieldNamesToString()
- initialise()
- getEntitiesCentrePoints()
- getEntitiesContourPoints()
- updateSpatialCollectionSpecific Values()
- updateClusterednessDegree()
- updatePileUpDegree()
- updateArea()
- updatePerimeter()
- updateCentrePoint()
- isTriangularMeasure()
- isRectangularMeasure()
- isCircularMeasure()
- fieldValuesToString()
- validateOriginDependentValues()
- areValidOriginDependentValues()

multiscale::analysis ::Region

- density
- polygon
- CONTOUR_ORIENTED
- CONTOUR_CLOSED
- + Region()
- + ~Region()
- + getDensity()
- + getPolygon()
- + fieldNamesToString()
- validateInputValues()
- areValidInputValues()
- updateSpatialCollectionSpecific Values()
- updateClusterednessDegree()
- updateArea()
- updatePerimeter()
- isTriangularMeasure()
- isRectangularMeasure()
- isCircularMeasure()
- updateCentrePoint()
- fieldValuesToString()