```
multiscale::analysis
    ::SpatialEntityPseudo3D
# clusterednessDegree
# density
# 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
+ SpatialEntityPseudo3D()
+ ~SpatialEntityPseudo3D()
+ getClusterednessDegree()
+ getDensity()
+ getArea()
+ getPerimeter()
+ getDistanceFromOrigin()
+ getAngle()
+ getShape()
+ getShapeAsString()
+ getTriangularMeasure()
+ getRectangularMeasure()
+ getCircularMeasure()
+ getCentre()
+ toString()
+ fieldNamesToString()
# updateMeasuresIfRequired()
# updateMeasures()
# updateClusterednessDegree()
# updateDensity()
# updateArea()
# updatePerimeter()
# updateShape()
# updateCentrePoint()
# isTriangularMeasure()
# isRectangularMeasure()
# isCircularMeasure()
# shapeAsString()
# fieldValuesToString()
# convertPoints()
initialise()
               Δ
multiscale::analysis
            ::Cluster
+ ERR_UNDEFINED_SHAPE
+ ERR_ORIGIN_DEPENDENT
VALUES

    minAreaEnclosingTriangle

    minAreaEnclosingRect

    minAreaEnclosingCircleCentre

     Area Enclosing Circle Radius

    entities

+ Cluster()
+ ~Cluster()
+ addEntity()
+ getMinAreaEnclosingTriangle()
+ getMinAreaEnclosingRect()
+ getMinAreaEnclosingCircle
Centre()

    getMinAreaEnclosingCircle

Radius()
+ getEntities()
+ getEntitiesConvexHull()
+ setOriginDependentMembers()
```

initialise()

updateDensity()
updateArea()
updatePerimeter()
updateCentrePoint()
isTriangularMeasure()
isRectangularMeasure()
isCircularMeasure()

- getEntitiesCentrePoints()- getEntitiesContourPoints()- updateClusterednessDegree()

- validateOriginDependentValues()- areValidOriginDependentValues()