multiscale::analysis ::Detector

avgClusterednessDegree
avgDensity
image
outputFilepath
debugMode
outputImage
detectMethodCalled
detectorSpecificFieldsInitialised
origin
OUTPUT_CLUSTEREDNESS
OUTPUT_DENSITY
ERR_OUTPUT_WITHOUT
_DETECT
ERR_OUTPUT_FILE
ERR_INVALID_IMAGE
CSV_EXTENSION
IMG_EXTENSION
XML_EXTENSION
WIN_OUTPUT_IMAGE
KEY_ESC
KEY_SAVE
LABEL_ATTRIBUTE
LABEL_COMMENT
LABEL_COMMENT_CONTENTS
LABEL_EXPERIMENT_TIMEPOINT
_AVG_CLUSTEREDNESS
LABEL_EXPERIMENT_TIMEPOINT
_AVG_DENSITY
LABEL_EXPERIMENT_TIMEPOINT
_SPATIAL_ENTITY
LABEL_SPATIAL_ENTITY
_PSEUDO_3D
LABEL_SPATIAL_ENTITY_TYPE
LABEL_SPATIAL_ENTITY
_CLUSTEREDNESS
LABEL_SPATIAL_ENTITY
_DENSITY
LABEL_SPATIAL_ENTITY_AREA
LABEL_SPATIAL_ENTITY
_PERIMETER
LABEL_SPATIAL_ENTITY
_DISTANCE_FROM_ORIGIN
LABEL_SPATIAL_ENTITY
_ANGLE_DEGREES
LABEL_SPATIAL_ENTITY
_SHAPE
LABEL_SPATIAL_ENTITY
_TRIANGLE_MEASURE
LABEL_SPATIAL_ENTITY
_RECTANGLE_MEASURE
LABEL_SPATIAL_ENTITY
_CIRCLE_MEASURE
LABEL_SPATIAL_ENTITY
_CENTROID_X
LABEL_SPATIAL_ENTITY
_CENTROID_Y

+ Detector()
+ ~Detector()
+ detect()
+ outputResults()
# initialise()
# initialiseDetectorSpecific
FieldsIfNotSet()
# setDetectorSpecificFields
InitialisationFlag()
# initialiseDetectorSpecific
Fields()
# initialiseImageDependent
Fields()
# initialiseDetectorSpecific
ImageDependentFields()
# initialiseImageOrigin()
# isValidInputImage()
# detect()
# detectInDebugMode()
# detectInReleaseMode()
# polygonAngle()
# polygonAngle()
# minAreaRectCentre()
# findGoodPointsForAngle()
# findGoodIntersectionPoints()
# displayResultsInWindow()
# outputResultsToFile()
# outputResultsToImage()
# storeOutputImageOnDisk()
# outputResultsToCsvFile()
# outputResultsToCsvFile()
# outputSpatialEntitiesToCsvFile()
# outputAveragedMeasuresTo
CsvFile()
# outputResultsToXMLFile()
# outputResultsToXMLFile()
# addSpatialEntitiesToPropertyTree()
# addAverageMeasuresToPropertyTree()
# constructPropertyTree()
# addSpatialEntityProperties
ToTree()
# addSpatialEntityTypeToPropertyTree()
# getCollectionOfSpatialEntity
Pseudo3D()
# processImageAndDetect()
# clearPreviousDetectionResults()
# createTrackbars()
# createTrackbarsWindow()
# createDetectorSpecificTrackbars()
# processPressedKeyRequest()
# displayImage()
# printOutputErrorMessage()

multiscale::analysis ::ClusterDetector

entityPileupDegree
eps
minPoints
clusters
- TRACKBAR_EPS
- TRACKBAR_MINPOINTS
- MIN_POINTS_MIN
- MIN_POINTS_MAX
- EPS_MIN
- EPS_MAX
- EPS_REAL_MIN
- EPS_REAL_MAX

+ ClusterDetector()
+ ~ClusterDetector()
+ getEps()
+ getMinPoints()
+ getClusters()
+ setEps()
+ setMinPoints()
# initialiseDetectorSpecific
Fields()
# createDetectorSpecificTrackbars()
# clearPreviousDetectionResults()
# processImageAndDetect()
# detectEntitiesInImage()
# detectAndAnalyseClusters()
# detectClusters()
# convertEntities()
# convertNonPiledUpEntities()
# convertPiledUpEntities()
# addEntitiesToClusters()
# analyseClusters()
# analyseClustersOriginDependent
Values()
# updateClusterOriginDependent
Values()
# getClusterConvexHull()
# computeClusterednessIndex()
# computeAveragePileUpDegree()
# getCollectionOfSpatialEntity
Pseudo3D()
# convertEpsValue()
# getValidMinPointsValue()