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 and 20 more... + Detector() + ~Detector() + detect() + outputResults() # initialise() # initialiseDetectorSpecificFieldsIfNotSet() # setDetectorSpecificFieldsInitialisationFlag() # initialiseDetectorSpecificFields() # initialiseImageDependentFields() # initialiseDetectorSpecificImageDependentFields() # initialiseImageOrigin() # isValidInputImage() # detect() # detectInDebugMode() and 29 more... multiscale::analysis::RegionDetector - alpha beta - blurKernelSize - morphologicalCloseIterations multiscale::analysis::ClusterDetector epsilon # entityPileupDegree - regionAreaThresh - thresholdValue - regions - TRACKBAR_ALPHA - TRACKBAR_EPS - TRACKBAR_BETA - TRACKBAR_MINPOINTS TRACKBAR_KERNEL - MIN_POINTS_MIN - TRACKBAR_MORPH - MIN_POINTS_MAX TRACKBAR_CANNY - TRACKBAR_EPSILON - EPS MAX - TRACKBAR_REGION_AREA_THRESH - EPS_REAL_MIN - TRACKBAR_THRESHOLD - USE_CANNY_L2 - EPS_REAL_MAX - CONTOUR_AREA_ORIENTED + ClusterDetector() and 15 more... + ~ClusterDetector() + RegionDetector() + getMinPoints() + ~RegionDetector() + getAlpha() + getClusters() + getBeta() + getBlurKernelSize() + setMinPoints() # initialiseDetectorSpecificFields() + getEpsilon() # createDetectorSpecificTrackbars() + getMorphologicalCloseIterations() + getOriginXCoordinate() # clearPreviousDetectionResults() # processImageAndDetect() + getOriginYCoordinate() # detectEntitiesInImage() + getRegionAreaThresh() and 10 more...- initialiseDetectorSpecificFields() # detectAndAnalyseClusters() - initialiseDetectorSpecificImageDependentFields() # detectClusters() # convertEntities() - createDetectorSpecificTrackbars() # convertNonPiledUpEntities() processImageAndDetect() - changeContrastAndBrightness() # convertPiledUpEntities() and 9 more... - smoothImage() - morphologicalClose() - thresholdImage() - findRegions() computeAverageMeasures() and 13 more...

multiscale::analysis::Detector

multiscale::analysis::SimulationClusterDetector - thresholdedImage

- height

eps # minPoints

clusters

- EPS MIN

+ getEps()

+ setEps()

- width
- entityHeight
- entityWidth
- THRESHOLD
- THRESHOLD_MAX
- ENTITY THRESH
- DATAPOINT_WIDTH
- DATAPOINT_THICKNESS

- + SimulationClusterDetector() + ~SimulationClusterDetector()
- initialiseDetectorSpecificImageDependentFields()
- initialiseThresholdedImage()
- detectEntitiesInImage()
- isEntityAtPosition()
- getEntityCentrePoint()
- getEntityContourPoints()
- computePileUpDegreeAtPosition()
- outputResultsToImage() - outputClusterToImage()
- outputClusterShape() - outputClusterTriangularShape()
- outputClusterRectangularShape()
- outputClusterCircularShape()