## multiscale::analysis ::MatFactory

- # rows
- # cols
- # simulationTime
- #ERR INPUT OPEN
- # ERR IMG RESOLUTION
- #ERR IN EXTRA DATA
- + MatFactory()
- + ~MatFactory()
- + create()
- + createFromViewerImage()
- + maxColourBarIntensityFrom
- Viewerlmage()
- # initInputFile()
- # processConcentrations()
- # convertToIntensity()
- # isValidViewerImage()

## multiscale::analysis

::CircularMatFactory

- ERR UNIMPLEMENTED METHOD
- INTENSITY MAX
- ROI\_START\_X
- ROI START Y
- ROI RADIUS
- INPUT IMG WIDTH
- INPUT IMG HEIGHT
- COLOURBAR MAX X
- COLOURBAR MAX Y
- + CircularMatFactory()
- + ~CircularMatFactory()
- + createFromViewerImage()
- + maxColourBarIntensityFrom
- ViewerImage()
- # processConcentrations()
- # isValidViewerImage()
- createCircularMask()

## multiscale::analysis

::RectangularMatFactory

- ERR CONC
- ROI START X
- ROI START Y
- ROI WIDTH
- ROI HEIGHT
- INPUT IMG WIDTH
- INPUT IMG HEIGHT
- COLOURBAR MAX X
- COLOURBAR MAX Y
- + RectangularMatFactory()
- + ~RectangularMatFactory()
- + createFromViewerImage()
- + maxColourBarIntensityFrom
- Viewerlmage()
- # processConcentrations()
- # isValidViewerImage()