

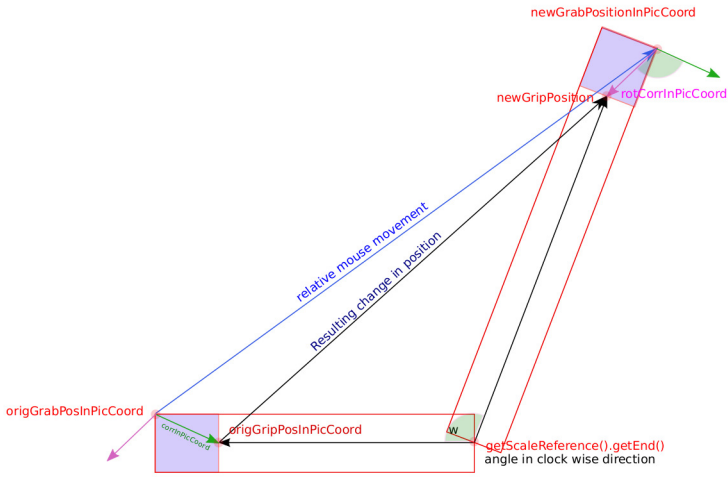
Corr. Distance between grab position and scale begin/end

$w = (\text{begin-end}) \text{ to } (\text{begin-end})'$

$w = (\text{begin-end}) \text{ to } (\text{begin-end})'$ , clockwise angle (see `StarPoint.getClockWiseAngle(angle)`)  
Clockwise angle:

$\text{dot} = x1*x2 + y1*y2$  # dot product  
 $\text{det} = x1*y2 - y1*x2$  # determinant  
 $\text{angle} = \text{atan2}(\text{det}, \text{dot})$  #  $\text{atan2}(y, x)$  or  $\text{atan2}(\sin, \cos)$

<http://stackoverflow.com/questions/14066933/direct-way-of-computing-clockwise-angle-between-2-vectors>



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