Profile Summary
Generated 31-Jul-2015 21:12:22 using cpu time.

Function Name	Calls	Total Time	Self Time*
<u>UnitTests</u>	1	125.153 s	0.451 s
radiallyDistort	8	78.543 s	58.092 s
<u>applyVignette</u>	8	44.537 s	37.792 s
radiallyDistort>L	7683168	19.765 s	19.765 s
degtorad	7683168	6.745 s	6.745 s
imshow	6	1.358 s	0.170 s
initSize	6	0.748 s	0.047 s
movegui	6	0.686 s	0.671 s
interp2	8	0.686 s	0.609 s
imread	6	0.203 s	0.000 s
<u>imageDisplayParseInputs</u>	6	0.202 s	-0.000 s
imagesci\private\readjpg	6	0.172 s	0.000 s
<u>imageDisplayValidateParams</u>	6	0.155 s	0.000 s
imagesci\private\rjpg8c (MEX-file)	6	0.142 s	0.142 s
imageDisplayValidateParams>getAutoCLim	3	0.124 s	0.124 s
newplot	12	0.111 s	0.063 s
<u>basicImageDisplay</u>	6	0.078 s	0.047 s
interp2>isMeshGrid	8	0.077 s	0.077 s
<u>isSingleImageDefaultPos</u>	6	0.048 s	0.048 s
<u>imageDisplayParsePVPairs</u>	6	0.047 s	0.047 s

Total Time Plot (dark band = self time)

mapplymatrixAlgo		ı	ı	ı
mapplymatrixc (MEX-file) 3 0.046 s 0.046 s 0.046 s 0.046 s 0.046 s 0.046 s 0.032 s 0.031 s 0.016 s 0.031 s 0.016 s 0.030 s 0.015 s 0.015 s 0.030 s 0.015 s 0.030 s 0.000 s 0.	rgb2gray	3	0.046 s	0.000 s
Newplot>ObserveFigureNextPlot	imapplymatrixAlgo	3	0.046 s	0.000 s
magesci\private\imftype 6 0.031 s 0.016 s magesci\private\imjpgbaselineinfo 6 0.030 s 0.015 s magesci\private\imjpginfo 6 0.030 s 0.000 s mshow>scanArgsForReduce 6 0.016 s 0.016 s mshow>processReduceSyntax 6 0.016 s 0.000 s migratelmshowSettings 6 0.016 s 0.016 s mageDisplayValidateParams>validateCData 6 0.016 s 0.016 s da 12 0.016 s 0.016 s 0.016 s da 0.015 s 0.015 s 0.015 s 0.015 s da 0.015 s 0.015 s 0.015 s 0.015 s da 0.015 s 0.015 s 0.015 s 0.015 s da 0.015 s 0.015 s 0.015 s 0.015 s <td< td=""><td>imapplymatrixc (MEX-file)</td><td>3</td><td>0.046 s</td><td>0.046 s</td></td<>	imapplymatrixc (MEX-file)	3	0.046 s	0.046 s
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close>request_close 1 0 s 0.000 s mread>parse_inputs 6 0 s 0.000 s mformats 6 0 s 0.000 s	close>safegetchildren	1	0 s	0.000 s
mread>parse_inputs 6 0 s 0.000 s mformats 6 0 s 0.000 s	close>checkfigs	1	0 s	0.000 s
<u>mformats</u> 6 0 s 0.000 s	close>request_close	1	0 s	0.000 s
	imread>parse_inputs	6	0 s	0.000 s
mformats>find in registry 6 0 s 0.000 s	imformats	6	0 s	0.000 s
	imformats>find in registry	6	0 s	0.000 s

selineinfo>parse app1 exif segment	6	0 s	0.000 s
rgb2gray>parse_inputs	3	0 s	0.000 s
imapplymatrixAlgo>parseVarargin	3	0 s	0.000 s
imapplymatrixAlgo>checkOutputClass	3	0 s	0.000 s
mean	32	0 s	0.000 s
t;preParseInputsForSpatialReferencing	6	0 s	0.000 s
imshow>create@(c)isa(c,'imref2d')	6	0 s	0.000 s
imshow>@(c)isa(c,'imref2d')	21	0 s	0.000 s
imshow>preParseInputs	6	0 s	0.000 s
isempty(strmatch(lower(arg),{param}))	6	0 s	0.000 s
isempty(strmatch(lower(arg),{param}))	24	0 s	0.000 s
getSettingsRoot	18	0 s	0.000 s
validatestring	12	0 s	0.000 s
validatestring>checkInputs	12	0 s	0.000 s
validatestring>checkString	12	0 s	0.000 s
yParsePVPairs>parseParamValuePairs	6	0 s	0.000 s
imshow>getBorder	6	0 s	0.000 s
imageDisplayValidateParams>findImageType	6	0 s	0.000 s
imageDisplayValidateParams>validateMap	6	0 s	0.000 s
rmfield	6	0 s	0.000 s
cellstr	6	0 s	0.000 s
playValidateParams>getCDataMapping	6	0 s	0.000 s
<u>checkDisplayRange</u>	6	0 s	0.000 s
imshow>convertImrefToXDataYData	6	0 s	0.000 s
graphics\private\claNotify	12	0 s	0.000 s
graphics\private\clo	12	0 s	0.000 s
allchild	6	0 s	0.000 s

uitools\private\allchildRootHelper	6	0 s	0.000 s
set(rootobj,'ShowHiddenHandles',Temp)	6	0 s	0.000 s
onCleanup>onCleanup.onCleanup	6	0 s	0.000 s
onCleanup>onCleanup.delete	6	0 s	0.000 s
set(rootobj,'ShowHiddenHandles',Temp)	6	0 s	0.000 s
getImWidth	6	0 s	0.000 s
getImHeight	6	0 s	0.000 s
<u>isRSetImage</u>	12	0 s	0.000 s
<u>isFigureAvailable</u>	6	0 s	0.000 s
<u>figparams</u>	6	0 s	0.000 s
initSize>calculateDimensions	12	0 s	0.000 s
initSize>getGutterWidth	12	0 s	0.000 s
initSize>getGutterHeight	12	0 s	0.000 s
magPercentsDiffer	18	0 s	0.000 s
magPercentsDiffer>toPercent	36	0 s	0.000 s
findZoomMag	6	0 s	0.000 s
initSize>getAxesX	6	0 s	0.000 s
initSize>getAxesY	6	0 s	0.000 s
movegui>get parent fig	6	0 s	0.000 s
isunix	12	0 s	0.000 s
polyfun\private\methodandextrapval	8	0 s	0.000 s
polyfun\private\checkmonotonic	8	0 s	0.000 s
polte\checkmonotonic>makemonotonic	16	0 s	0.000 s
interp2>convertv	8	0 s	0.000 s
interp2>makegriddedinterp	8	0 s	0.000 s
polyfun\private\compactgridformat	8	0 s	0.000 s

Self time is the time spent in a function excluding the time spent in its child fun

ctions. Self

time also includes overhead resulting from the process of profiling.