Profile Summary

Generated 22-Apr-2018 21:54:36 using performance time.

Function Name	Calls	Total Time	Self Time*
groupBallDataDiffStim	2	3204.542 s	53.980 s
processDigBallData	1906	3148.410 s	3.108 s
binaryVectorToDecimal	1906	2400.961 s	2.820 s
...nversionUtility.binaryVectorToDecimal	1906	2397.769 s	953.410 s
...rsionUtility.rowBinaryVectorToDecimal	329476244	1426.499 s	1426.499 s
colfilt	1906	662.785 s	85.027 s
mode	4454322	346.808 s	313.149 s
im2col	4452416	228.325 s	201.310 s
ballSettings	1909	71.067 s	0.154 s
getComputerID	1910	70.952 s	70.325 s
ipermute	4452416	33.660 s	33.660 s
im2col>parse_inputs	4452416	27.015 s	27.015 s
cumtrapz	1906	10.134 s	10.094 s
...ConversionUtility.handleBitOrderInput	1906	8.352 s	0.274 s
...ity>ConversionUtility.set.BitOrder	3812	8.078 s	0.260 s
BitOrder>BitOrder.setValue	3812	7.819 s	0.037 s
StringEnum>StringEnum.enumFactory	3812	7.782 s	7.782 s
...ity>ConversionUtility.flipIfNeeded	1906	6.470 s	0.041 s
fliplr	1906	6.429 s	6.429 s
...nversionUtility.set.BinaryVectorArray	1906	3.037 s	3.037 s

Total Time Plot (dark band = self time)
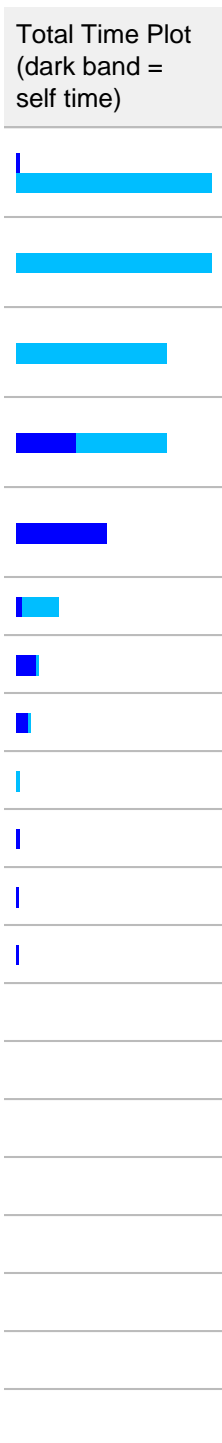
images\private\mkconstarray	3812	2.480 s	2.480 s
downsample	4765	0.888 s	0.545 s
getDataFileNameBall	3	0.765 s	0.358 s
strsplit	1928	0.635 s	0.216 s
datenum	1928	0.497 s	0.231 s
...t;ConversionUtility.ConversionUtility	1906	0.372 s	0.021 s
num2str	3914	0.372 s	0.158 s
BaseClass>BaseClass.BaseClass	1906	0.351 s	0.249 s
signal\private\updownsample	4765	0.343 s	0.199 s
strfun\private\strescape	5802	0.301 s	0.271 s
getProcessedDataFileName	1	0.240 s	0.001 s
cnv2icudf	1906	0.226 s	0.226 s
rotateAllTrials	1	0.169 s	0.150 s
shiftdim	11436	0.154 s	0.154 s
fullfile	956	0.149 s	0.101 s
strjoin	1946	0.126 s	0.120 s
bestblk	1906	0.095 s	0.095 s
num2str>cellPrintf	2960	0.090 s	0.090 s
workspacefunc	22	0.089 s	0.034 s
ClassManager>ClassManager.getInstance	1906	0.085 s	0.084 s
int2str	954	0.066 s	0.066 s
linkplotfunc	2	0.065 s	0.031 s
num2str>strvrcat	2960	0.058 s	0.019 s
fcnchk	1906	0.050 s	0.050 s
cellstr	1906	0.039 s	0.039 s
strjust	2960	0.039 s	0.012 s
mean	955	0.030 s	0.030 s

workspacefunc>getShortValueObjectJ	24	0.030 s	0.009 s
fullfile>refinePath	956	0.029 s	0.029 s
sig...te\updownsample>parseUpDnSample	4765	0.029 s	0.029 s
strjust>strjustOnChar	2960	0.027 s	0.027 s
datamanager.brushmanager.updateVars	2	0.025 s	0.009 s
fullfile>ensureTrailingFilesep	956	0.019 s	0.010 s
workspacefunc>num2complex	18	0.019 s	0.006 s
str...vate\strescape>@(c)strescape(c)	1928	0.018 s	0.018 s
...erer>SetGetRenderer.SetGetRenderer	1908	0.018 s	0.018 s
cell.setdiff	2	0.015 s	0.001 s
cell.setdiff>cellsetdiffR2012a	2	0.014 s	0.004 s
cell.unique	6	0.013 s	0.007 s
cell2mat	2	0.013 s	0.013 s
strfun\private\strescape>escapeChar	1910	0.012 s	0.012 s
exptInfoStruct	2	0.011 s	0.011 s
functionhintsfunc	1	0.009 s	0.008 s
fullfile>addTrailingFileSep	956	0.009 s	0.009 s
workspacefunc>getAbstractValueSummaryJ	6	0.008 s	0.005 s
cell.unique>celluniqueR2012a	6	0.007 s	0.007 s
now	22	0.006 s	0.001 s
....linkplotmanager.getAllStructVarNames	2	0.005 s	0.001 s
workspacefunc>getWhosInformation	2	0.004 s	0.004 s
workspacefunc>getWorkspace	18	0.003 s	0.001 s
workspacefunc>createComplexVector	2	0.003 s	0.001 s
workspacefunc>getclass	6	0.002 s	0.002 s
workspacefunc>createComplexScalar	10	0.002 s	0.002 s
workspacefunc>getWorkspaceID	18	0.002 s	0.002 s

workspacefunc>localIsString	24	0.002 s	0.002 s
dot	1	0.002 s	0.002 s
codetools\private\dataviewerhelper	12	0.002 s	0.001 s
workspacefunc>getCleanupHandler	2	0.002 s	0.001 s
squeeze	4	0.001 s	0.001 s
onCleanup>onCleanup.delete	2	0.001 s	0.000 s
datamanager.brushmanager.getVarNames	6	0.001 s	0.001 s
datamanager.clearUndoRedo	2	0.001 s	0.001 s
datamanager.getWorkspace	2	0.001 s	0.001 s
...nager.linkplotmanager.linkplotmanager	6	0.001 s	0.001 s
...pace.MatlabWorkspaceListener.swl(swl)	2	0.001 s	0.001 s
getSettingsRoot	2	0.001 s	0.001 s
filesep	1	0.001 s	0.001 s
datamanager.brushmanager.brushmanager	2	0.001 s	0.001 s
...viewerhelper>upconvertIntegralType	12	0.001 s	0.001 s
usejava	1	0.000 s	0.000 s
...anager.updateVars>@(x)prod(x)>1	24	0.000 s	0.000 s
onCleanup>onCleanup.onCleanup	2	0.000 s	0.000 s
StringEnum>StringEnum.StringEnum	2	0.000 s	0.000 s
ClassManager>ClassManager.ClassManager	1	0.000 s	0.000 s
...s.mlwidgets.workspace.WhosInformation (Java method)	2	0.000 s	0.000 s
java.lang.String (Java method)	6	0.000 s	0.000 s
...UserDeleteDisabled.UserDeleteDisabled	1	0.000 s	0.000 s

Self time is the time spent in a function excluding the time spent in its child functions time also includes overhead resulting from the process of profiling.

. Self