Profile Summary

Generated 30-Apr-2019 11:45:03 using performance time.

Function Name	Calls	Total Time	Self Time*
iterativeRun	4	1463.148 s	62.033 s
chrisAttacks	954	1216.597 s	1203.877 s
attackingLearnPlusPlus_AdvLearn	13	1027.464 s	0.261 s
attackingLearnPlusPlus_chrisAttack_SINDy	13	364.269 s	37.426 s
learn_nse_for_attacking	1071	82.941 s	0.606 s
classifier_test	64377	63.474 s	1.304 s
...M>CompactClassificationSVM.predict	64377	62.170 s	1.767 s
...nModel>ClassificationModel.predict	64377	60.403 s	4.077 s
...se_for_attacking>classify_ensemble	2115	43.182 s	1.473 s
...SVM>CompactClassificationSVM.score	64377	27.683 s	3.714 s
SINDy>SINDy.buildModel	1014	26.368 s	0.284 s
addpath	168	22.437 s	0.263 s
path	168	22.156 s	18.234 s
...se_for_attacking>decision_ensemble	1071	22.003 s	0.237 s
SINDyPreprocessing	13	21.584 s	0.724 s
SINDy>SINDy.SINDy	39	20.758 s	0.020 s
CompactSVMImpl>CompactSVMImpl.score	64377	20.114 s	2.475 s
waitbar	2027	19.350 s	14.640 s
SINDy>SINDy.performSparseGalerkin	1014	19.004 s	0.553 s
CompactSVMImpl>iDispatchPredict	64377	16.984 s	16.984 s
classifier_train	1080	16.949 s	0.069 s

Total Time Plot (dark band = self time)
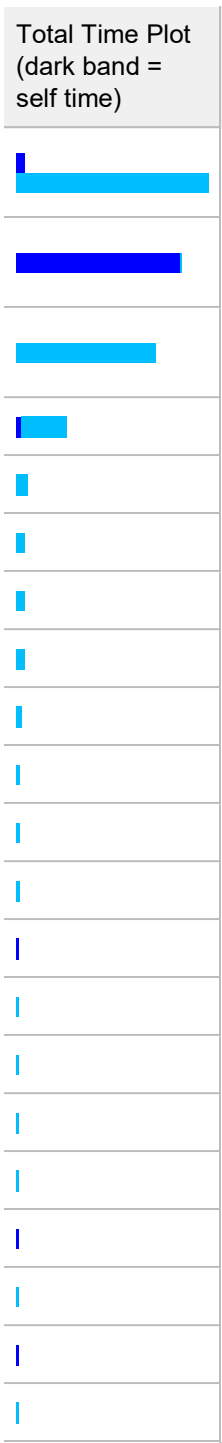
ode45	2028	16.948 s	1.869 s
fitcsvm	1080	16.880 s	0.136 s
ClassificationSVM>ClassificationSVM.fit	1080	16.262 s	0.063 s
...tomSparseGalerkin(t,x,Xi,numDims,obj)	137592	14.048 s	1.008 s
SINDy>SINDy.customSparseGalerkin	137592	13.040 s	1.284 s
orientX	64377	12.434 s	1.693 s
SINDy>SINDy.customPoolData	138606	12.009 s	7.443 s
FitTemplate>FitTemplate.fit	1080	11.965 s	0.251 s
...t;ClassificationSVM.ClassificationSVM	1080	9.212 s	1.998 s
parseArgs	80577	8.130 s	2.764 s
odextend	1014	8.021 s	0.377 s
workspacefunc	62	6.830 s	0.293 s
workspacefunc>getShortValueObjectJ	1103	6.455 s	0.143 s
workspacefunc>num2complex	1014	6.256 s	0.070 s
workspacefunc>getAbstractValueSummaryJ	459	6.042 s	5.986 s
ClassLabel>ClassLabel.ismember	133074	5.873 s	3.404 s
parseArgs	80577	5.367 s	4.600 s
validatestring	65457	5.139 s	1.437 s
...odel>ClassificationModel.get.Prior	64377	4.868 s	2.096 s
nsumk	139620	4.620 s	2.667 s
...Model>ClassificationModel.maxScore	64377	4.286 s	4.141 s
...tionSVM>ClassificationSVM.template	1080	4.234 s	0.031 s
SVMImpl>SVMImpl.make	1080	4.090 s	0.702 s
FitTemplate>FitTemplate.make	1080	3.970 s	0.241 s
LearnPlusPLusNSE_Baseline	1	3.880 s	0.010 s
general\private\parsedirs	336	3.809 s	3.794 s
SINDy>SINDy.createLearnedFunctionsTable	1014	3.579 s	0.022 s

SINDy>SINDy.customPoolDataLIST	1014	3.556 s	0.476 s
FitTemplate>FitTemplate.fillIfNeeded	1080	3.389 s	1.679 s
waitbar>updateWaitbar	2024	3.325 s	0.873 s
makeClassificationModelAdapter	64377	3.156 s	2.575 s
SINDy>SINDy.performSparseDynamics	1014	2.846 s	0.035 s
sparsifyDynamics	1014	2.811 s	2.811 s
...nSVM>ClassificationSVM.prepareData	1080	2.501 s	0.528 s
uitools\private\uiwaitbar	2027	2.492 s	0.393 s
validatestring>checkString	65457	2.398 s	2.398 s
...ectorOps>DisallowVectorOps.subsref	23760	2.371 s	2.371 s
SVMImpl>iDispatchSolve	1080	2.276 s	2.276 s
javax.swing.JProgressBar (Java method)	2042	2.070 s	2.070 s
pathsForCode	3	1.965 s	0.011 s
struct2table	1014	1.964 s	0.363 s
getForDisplay	3	1.576 s	0.016 s
hggetdisp	3	1.560 s	0.046 s
...Model>ClassificationModel.get.Cost	64377	1.479 s	1.243 s
...t;ToolbarController.getDefaultToolbar	1	1.423 s	0.162 s
ClassLabel>ClassLabel.eq	130914	1.399 s	1.026 s
validatestring>checkInputs	65457	1.304 s	1.304 s
ClassLabel>ClassLabel.numel	335925	1.283 s	1.283 s
nchoosek	139620	1.271 s	1.271 s
table.table>table.fromScalarStruct	1014	1.234 s	0.050 s
table.table>table.init	1014	1.171 s	0.196 s
...gt;ClassificationModel.get.ClassNames	64377	1.121 s	0.751 s
deval	1014	1.050 s	0.689 s
optimalKernelScale	1080	0.878 s	0.136 s

tabular.tabular>tabular.initInternals	1014	0.839 s	0.118 s
...mension>tabularDimension.setLabels	3042	0.780 s	0.078 s
num2cell	76257	0.767 s	0.767 s
...xesToolbar>AxesToolbar.AxesToolbar	1	0.765 s	0.000 s
...xesToolbar>AxesToolbar.AxesToolbar	1	0.764 s	0.241 s
funfun\private\odearguments	2028	0.731 s	0.233 s
Predictor>Predictor.get.TableInput	64377	0.683 s	0.683 s
VChooseK (MEX-file)	139620	0.682 s	0.682 s
...ension>tabularDimension.createLike	2028	0.677 s	0.088 s
open	2	0.649 s	0.008 s
...ficationRegressionModel.prepareDataCR	1080	0.616 s	0.211 s
...in>@(e,d)obj.postUpdateFcn(canvas)	1994	0.608 s	0.040 s
general\private\openm	2	0.599 s	0.001 s
edit	2	0.598 s	0.003 s
tabular.subsasgn	1014	0.586 s	0.096 s
edit>openWithFileSystem	4	0.583 s	0.002 s
...ficationModelAdapter>@(x)istall(x)	64377	0.581 s	0.414 s
learnPlusPlus_NSE_Preprocessing	27	0.580 s	0.374 s
clearAndSetBreakpointsForFile	9	0.576 s	0.278 s
edit>openEditor	2	0.576 s	0.002 s
...gin>PostUpdatePlugin.postUpdateFcn	1994	0.568 s	0.238 s
SVMParams>SVMParams.make	1080	0.566 s	0.180 s
Document.Document>Document.openEditor	2	0.566 s	0.000 s
Document.Document>openEditorViaFunction	2	0.565 s	0.003 s
...singOpenFileInAppropriateEditor(file)	2	0.560 s	0.000 s
...;openUsingOpenFileInAppropriateEditor	2	0.560 s	0.560 s
varNamesDim>varNamesDim.createLike	1014	0.536 s	0.045 s

...t;AxesToolbarButton.AxesToolbarButton	9	0.532 s	0.264 s
ClassLabel>ClassLabel.length	136314	0.519 s	0.519 s
...t;Predictor.get.CategoricalPredictors	65457	0.517 s	0.517 s
tabular.subsasgnDot	1014	0.491 s	0.114 s
...ToolbarController.createToolbarButton	11	0.482 s	0.154 s
...r>Predictor.get.ObservationsInRows	64377	0.451 s	0.451 s
...ficationModel.FullClassificationModel	1080	0.444 s	0.043 s
...t;varNamesDim.validateAndAssignLabels	1014	0.424 s	0.105 s
...t;ToolbarPushButton.ToolbarPushButton	3	0.410 s	0.002 s
funfun\private\odefinalize	2028	0.396 s	0.374 s
ClassLabel>ClassLabel.isempty	133074	0.385 s	0.385 s
string.strcat	2028	0.382 s	0.121 s
checkSupportedNumeric	69777	0.375 s	0.375 s
ClassLabel>ClassLabel.labels	64377	0.370 s	0.370 s
pdist2	1080	0.358 s	0.298 s
typeof	133074	0.358 s	0.358 s
datasample	2160	0.341 s	0.182 s
PostUpdatePlugin>isAxesToolbarExcluded	1994	0.330 s	0.330 s
odeget	22308	0.328 s	0.170 s
...ry>ToolbarButtonRegistry.getButton	10	0.319 s	0.066 s
ClassLabel>ClassLabel.levels	2160	0.307 s	0.121 s
tabular.setProperty	1014	0.304 s	0.077 s
ismember	3270	0.304 s	0.054 s
table.table>table.getPropertyNamesList	1	0.288 s	0.286 s
SINDy>SINDy.buildLibrary	1014	0.287 s	0.034 s
parseOptimizationArgs	1080	0.282 s	0.041 s
getFileInfoForToolstrip	7	0.280 s	0.018 s

...t;rowNamesDim.validateAndAssignLabels	2028	0.278 s	0.183 s
cell.strcat	2028	0.261 s	0.261 s
ismember>ismemberR2012a	3270	0.249 s	0.070 s
Partitioner>Partitioner.processArgs	1080	0.248 s	0.055 s
SINDy>SINDy.getDerivatives	1014	0.239 s	0.050 s
FitTemplate>FitTemplate.catchType	1080	0.234 s	0.038 s
ModelParams>ModelParams.fillIfNeeded	1080	0.225 s	0.016 s
waitbar>createWaitbar	3	0.224 s	0.147 s
classCount	1080	0.221 s	0.046 s
+editor\private\doSetBreakpoint	13	0.218 s	0.207 s
SVMParams>SVMParams.fillDefaultParams	1080	0.209 s	0.163 s
Resampler>Resampler.processArgs	1080	0.203 s	0.042 s
datatipinfo	4	0.203 s	0.046 s
istall	75177	0.203 s	0.203 s
stats	1071	0.201 s	0.054 s
checkNotTall	1080	0.200 s	0.165 s
...Dim>varNamesDim.checkReservedNames	2028	0.196 s	0.151 s
...ampler>SubspaceSampler.processArgs	1080	0.195 s	0.037 s
deval>extract_idata	8528	0.190 s	0.190 s
gradient	1014	0.189 s	0.142 s
...r>MajorityUndersampler.processArgs	1080	0.188 s	0.032 s
unique	2188	0.187 s	0.080 s
...ntsForFile>quietlyClearBreakpoints	9	0.187 s	0.030 s
waitbar>extractHandles	2024	0.185 s	0.185 s
varNamesDim>varNamesDim.makeValidName	1014	0.179 s	0.056 s
Predictor>Predictor.Predictor	3240	0.177 s	0.159 s
mvnrnd	1014	0.177 s	0.098 s

...ractions.createAndRegisterTextControl	2005	0.176 s	0.058 s
getFunctionFileInfoForToolstrip	4	0.174 s	0.012 s
funfun\private\ntrp45	8528	0.171 s	0.171 s
istable	65457	0.169 s	0.169 s
...rButton>AxesToolbarButton.set.Icon	17	0.165 s	0.022 s
ClassLabel>ClassLabel.grp2idx	1080	0.164 s	0.025 s
odeget>getknownfield	22308	0.158 s	0.158 s
...ClassificationModel.processClassNames	1080	0.153 s	0.016 s
datatipinfo>evalcWithHotlinksOff	6	0.151 s	0.032 s
ismember>ismemberBuiltinTypes	3240	0.150 s	0.150 s
...>AxesToolbarButton.setStandardIcon	18	0.146 s	0.078 s
identity	64377	0.145 s	0.145 s
...assificationModel.ClassificationModel	2160	0.143 s	0.039 s
...ToolbarStateButton.ToolbarStateButton	6	0.142 s	0.013 s
...r>@(e,d)obj.handleMouseMotion(e,d)	74	0.142 s	0.007 s
fullfile	303	0.139 s	0.082 s
datatipinfo>callDisp	4	0.136 s	0.002 s
...t;ToolbarController.handleMouseMotion	74	0.135 s	0.028 s
...tabularDimension.checkDuplicateLabels	2028	0.134 s	0.134 s
...rvice>SuiteCreationService.fulfill	4	0.129 s	0.005 s
strcat	192	0.129 s	0.119 s
genpath	78	0.129 s	0.112 s
cell.ismember	5292	0.128 s	0.128 s
usejava	2036	0.123 s	0.123 s
...sisSuiteCreationService.selectFactory	4	0.121 s	0.009 s
datatipinfo>sizeType	2	0.119 s	0.043 s
workspacefunc>createComplexScalar	555	0.118 s	0.100 s

...actions>TextInteractions.getCanvas	2005	0.118 s	0.118 s
...ificationSVM.CompactClassificationSVM	1080	0.115 s	0.043 s
hggetbehavior	10	0.113 s	0.004 s
SVMParams>SVMParams.SVMParams	1080	0.112 s	0.059 s
mtree.mtree>mtree.mtree	14	0.111 s	0.087 s
hggetbehavior>localGet	10	0.110 s	0.028 s
...ointsForFile>quietlySetBreakpoints	9	0.109 s	0.036 s
Button.Button>Button.Button	9	0.109 s	0.042 s
unique>uniqueR2012a	2188	0.108 s	0.108 s
...del.FullClassificationRegressionModel	1080	0.106 s	0.032 s
ClassLabel>ClassLabel.subsref	1080	0.104 s	0.087 s
closereq	3	0.101 s	0.046 s
gather	6480	0.097 s	0.097 s
...lClassificationModel.makeClassSummary	1080	0.096 s	0.050 s
strjoin	2028	0.094 s	0.084 s
workspacefunc>localIsDistributedType	2013	0.090 s	0.090 s
getSystemObjectInfo	7	0.089 s	0.003 s
ClassLabel>ClassLabel.ClassLabel	5400	0.087 s	0.087 s
table2FitMatrix	1080	0.087 s	0.053 s
getAll	2	0.086 s	0.015 s
getSystemObjectInfo	7	0.085 s	0.002 s
mdbfileonpath	3	0.085 s	0.013 s
isSystemObjectFile	7	0.083 s	0.004 s
...onService.selectFactoryUsingParseTree	4	0.081 s	0.002 s
isFunctionBasedTest	4	0.079 s	0.021 s
expandCategorical	1080	0.079 s	0.025 s
isSystemObjectCode	7	0.078 s	0.001 s

isSystemObjectCode>pIsSystemObjectCode	7	0.077 s	0.006 s
hgbehaviorfactory	10	0.076 s	0.001 s
parseArgs	1014	0.076 s	0.076 s
...ractionContainer.getInteractionsArray	2	0.076 s	0.000 s
...actionContainer.get.InteractionsArray	2	0.075 s	0.001 s
hgbehaviorfactory>localCreate	10	0.075 s	0.060 s
...Container.getDefaultInteractionsArray	2	0.075 s	0.074 s
...sion>tabularDimension.assignLabels	2028	0.073 s	0.073 s
...sPlus_NSE_Preprocessing>@(x)cov(x)	2160	0.072 s	0.016 s
...r>ToolbarController.canShowToolbar	74	0.069 s	0.069 s
FitTemplate>FitTemplate.isfilled	1080	0.068 s	0.068 s
...Plus_NSE_Preprocessing>@(x)mean(x)	2160	0.067 s	0.015 s
table.table>table.table	1014	0.067 s	0.019 s
...t;FullClassificationModel.processCost	1080	0.065 s	0.049 s
funfun\private\odemass	2028	0.063 s	0.037 s
mdbstatus	5	0.063 s	0.009 s
deal	3328	0.063 s	0.063 s
FitTemplate>FitTemplate.FitTemplate	1080	0.058 s	0.048 s
stats>index2vector	2142	0.057 s	0.057 s
mustBePositive	3179	0.056 s	0.025 s
cov	2160	0.056 s	0.056 s
loadLinkSet	2	0.055 s	0.006 s
mdbstatus>localGetFileBreakpoints	5	0.054 s	0.054 s
...on>AxesToolbarButton.makeIconPaths	18	0.054 s	0.001 s
ModelParams>ModelParams.ModelParams	1080	0.053 s	0.044 s
...ton.AxesToolbarButton>makeIconPath	18	0.053 s	0.003 s
mean	2160	0.052 s	0.040 s

...lities>VariableUtilities.getHeader	2	0.052 s	0.050 s
...;FullClassificationModel.processPrior	1080	0.052 s	0.033 s
close	3	0.051 s	0.004 s
metaDim>metaDim.metaDim	1	0.050 s	0.005 s
mdbfileonpath>checkIfShadowed	3	0.049 s	0.004 s
...pi(x,this.NamesDataPrepIn,length(x)))	4320	0.049 s	0.049 s
mustBeMember	29	0.049 s	0.005 s
funfun\private\odeevents	2028	0.048 s	0.022 s
tabular.tabular>tabular.tabular	1014	0.048 s	0.039 s
mtree.mtfind	11	0.048 s	0.008 s
cholcov	1014	0.048 s	0.048 s
gradient>parse_inputs	1014	0.047 s	0.047 s
...t;tabularDimension.checkReservedNames	2029	0.046 s	0.046 s
workspacefunc>getWhosInformation	31	0.046 s	0.040 s
getLinkFilePath	2	0.045 s	0.004 s
close>safegetchildren	3	0.044 s	0.008 s
...@(o,e)deleteComponent(o,e,hcomponent)	3	0.044 s	0.001 s
...omponentdoc_helper>deleteComponent	3	0.043 s	0.024 s
median	1080	0.043 s	0.043 s
...Mapper>StorageMapper.getStorageFor	6	0.042 s	0.027 s
...lidateInputForUnaryComparisonFunction	5209	0.042 s	0.030 s
FadeGroup>FadeGroup.FadeGroup	1	0.041 s	0.034 s
...>metaDim.fixLabelsForCompatibility	1	0.041 s	0.036 s
mtree.restrict	11	0.040 s	0.027 s
...t;DisallowVectorOps.DisallowVectorOps	5400	0.039 s	0.039 s
ParseTreeUtils>ParseTreeUtils.getTree	7	0.038 s	0.003 s
tabular.matchPropertyName	1014	0.035 s	0.029 s

num2str	26	0.034 s	0.029 s
mustBeFinite	7475	0.033 s	0.033 s
...nteractions.createDefaultInteractions	15	0.031 s	0.013 s
dominantType	1014	0.031 s	0.031 s
stats>compute_f_measure	1071	0.030 s	0.030 s
ismember>ismemberClassTypes	30	0.030 s	0.030 s
javacomponent	3	0.029 s	0.001 s
...sificationTree.removeZeroPriorAndCost	1080	0.029 s	0.029 s
validateDataType	30	0.028 s	0.013 s
isText	1014	0.028 s	0.028 s
stats>compute_recall	1071	0.028 s	0.028 s
uitools\private\javacomponentdoc_helper	3	0.028 s	0.002 s
...ClassificationModel.removeMissingVals	1080	0.027 s	0.015 s
setdiff	1	0.027 s	0.001 s
SVMImpl>mapIdx	4320	0.026 s	0.026 s
setdiff>setdiffR2012a	1	0.025 s	0.007 s
visibleInToolstrip	4	0.025 s	0.005 s
table2FitMatrix>processArgs	1080	0.025 s	0.025 s
workspacefunc>getclass	459	0.025 s	0.025 s
mdbfileonpath>filepartsWithoutPackages	6	0.024 s	0.001 s
fileparts	73	0.024 s	0.023 s
stats>compute_precision	1071	0.024 s	0.024 s
...n.get.ParentNameMeetsNamingConvention	4	0.023 s	0.008 s
sub2ind	1080	0.023 s	0.023 s
mdbfileonpath>removePackageDirs	6	0.023 s	0.002 s
SVMImpl>SVMImpl.SVMImpl	1080	0.022 s	0.013 s
...sGroup>ControlsGroup.ControlsGroup	1	0.022 s	0.021 s

mustBeNonnegative	2030	0.021 s	0.010 s
fullfile>refinePath	303	0.021 s	0.014 s
...uttonImage>ButtonImage.ButtonImage	9	0.021 s	0.010 s
chrisAttacks_With_SINDy_Preprocessing	13	0.020 s	0.017 s
fullfile>ensureTrailingFilesep	303	0.020 s	0.006 s
toolboxdir	18	0.020 s	0.006 s
Backdrop>Backdrop.Backdrop	2	0.020 s	0.010 s
onCleanup>onCleanup.delete	43	0.020 s	0.007 s
...sificationModel.processScoreTransform	1080	0.019 s	0.019 s
...r>ToolbarController.isPlotEditMode	74	0.019 s	0.019 s
repmat	146	0.018 s	0.017 s
FitTemplate>gettype	1080	0.018 s	0.018 s
mdbfileonpath>isPackageDirectory	9	0.018 s	0.016 s
isMatchingSize	2053	0.018 s	0.018 s
codetools\private\dataviewerhelper	555	0.018 s	0.015 s
uitools\private\removeJavaCallbacks	3	0.018 s	0.017 s
hasReqDataFile	4	0.017 s	0.014 s
varNamesDim>varNamesDim.varNamesDim	1	0.017 s	0.001 s
general\private\catdirs	168	0.017 s	0.012 s
parseOnOff	1080	0.017 s	0.012 s
mtree.Parent	46	0.017 s	0.017 s
...asPlugin>CanvasPlugin.createCanvas	3	0.017 s	0.006 s
workspacefunc>localIsString	1103	0.016 s	0.016 s
funfun\private\odefcncleanup	2028	0.016 s	0.016 s
finfo	2	0.015 s	0.008 s
validateDataType>GetSubscripts	12	0.015 s	0.006 s
validators\private\isNumericOrLogical	5576	0.015 s	0.015 s

mustBeGreaterThanOrEqual	31	0.015 s	0.011 s
...>SuiteCreationLiaison.fromFilename	4	0.015 s	0.004 s
Predictor>Predictor.get.VariableRange	1080	0.015 s	0.015 s
...lus_NSE_Preprocessing>@(a,b)a(b,:)	2160	0.015 s	0.015 s
IconView>IconView.set.Icon	18	0.014 s	0.007 s
canLink	2	0.014 s	0.003 s
getCode	7	0.014 s	0.006 s
fullfile>addTrailingFileSep	303	0.014 s	0.014 s
...ntdoc_helper>applyArgumentsAndShow	3	0.014 s	0.013 s
now	62	0.014 s	0.003 s
pathsep	582	0.014 s	0.014 s
...abular>tabular.validateNumRowsVars	1014	0.013 s	0.013 s
hgbehaviorfactory>localGetBehaviorInfo	10	0.013 s	0.013 s
encodeCategorical	1080	0.013 s	0.013 s
mtree.pathit	11	0.013 s	0.008 s
...>AxesToolbarButton.setOverflowIcon	1	0.013 s	0.001 s
open>whichWrapper	4	0.012 s	0.012 s
mean>mysize	2160	0.012 s	0.012 s
Button.Button>Button.set.Content	9	0.012 s	0.009 s
EditorUtils.javaCollectionToArray	9	0.012 s	0.011 s
ClassLabel>ClassLabel.ismissing	1080	0.012 s	0.012 s
...n>SuiteCreationLiaison.get.Factory	4	0.012 s	0.008 s
...t;StorageMapper.getDefaultStorageName	6	0.011 s	0.010 s
varNamesDim>varNamesDim.dfltLabels	1	0.011 s	0.011 s
mustBeInteger	297	0.011 s	0.009 s
....queueCreateDefaultInteractionsOnAxes	15	0.011 s	0.004 s
filesep	367	0.011 s	0.011 s

...pace.MatlabWorkspaceListener.swl(swl)	31	0.011 s	0.011 s
Advlearn_Alone_Preprocessing	13	0.011 s	0.009 s
mdbfileonpath>getFileToRun	3	0.010 s	0.004 s
edit>openInPrivateOfCallingFile	2	0.010 s	0.002 s
datenum	62	0.010 s	0.009 s
blanks	192	0.010 s	0.010 s
strfun\private\strescape	2028	0.010 s	0.010 s
...oller>ToolbarController.getHitAxes	74	0.010 s	0.010 s
mtree.Outs	4	0.010 s	0.010 s
...>ToolbarController.getCanvasFigure	74	0.009 s	0.009 s
...adCompatibility.saveLoadCompatibility	1016	0.009 s	0.009 s
workspacefunc>getCleanupHandler	31	0.009 s	0.007 s
...NSE_Preprocessing>@(x)eq(x,iClass)	2160	0.009 s	0.009 s
...Impl>CompactSVMImpl.CompactSVMImpl	1080	0.009 s	0.009 s
strtok	4	0.009 s	0.003 s
...dator>ToolbarValidator.isValidIcon	17	0.009 s	0.006 s
allchild	3	0.009 s	0.005 s
SINDy>mustBeTimeSeries	2030	0.009 s	0.009 s
tabularDimension>tabularDimension.init	3	0.009 s	0.008 s
...nImage>ButtonImage.set.ImageSource	9	0.008 s	0.008 s
mtree.select	46	0.008 s	0.008 s
mdbfileonpath>areDirectoriesEqual	3	0.008 s	0.005 s
mustBeNumeric	2031	0.008 s	0.008 s
mfile	7	0.008 s	0.001 s
...on>AxesToolbarButton.setParentImpl	18	0.008 s	0.007 s
stats>compute_g_mean	1071	0.008 s	0.008 s
...ttonImage>@(e,d)obj.updateCache(e)	18	0.008 s	0.002 s

simpleModels	1080	0.007 s	0.007 s
mustBeNonsparse	2030	0.007 s	0.007 s
...>ToolbarButtonRegistry.getInstance	10	0.007 s	0.002 s
fileread	7	0.007 s	0.007 s
...AxesInteractions.queuedAxesOperations	18	0.007 s	0.007 s
...olbarController>@(e,d)obj.delete()	3	0.007 s	0.002 s
fullfile>fixIRI	60	0.006 s	0.006 s
int2str	30	0.006 s	0.006 s
mtree.iskind	57	0.006 s	0.006 s
...r>@(e,d)obj.handleMouseExited(e,d)	36	0.006 s	0.004 s
+editor\private\unmapFile	13	0.006 s	0.004 s
mustBeReal	2030	0.006 s	0.006 s
...ponentdoc_helper>enableAutoCleanup	3	0.006 s	0.002 s
mdbfileonpath>doesFileExist	18	0.006 s	0.004 s
...r.AxesToolbar>AxesToolbar.addChild	10	0.006 s	0.004 s
mtree.wholetree	14	0.006 s	0.006 s
...s.mlwidgets.workspace.WhosInformation (Java method)	31	0.006 s	0.006 s
strtok>doStrtok	4	0.006 s	0.006 s
...ce>NamingConventionService.fulfill	4	0.006 s	0.005 s
isScalarText	1014	0.006 s	0.006 s
...ller>ToolbarController.getInstance	3	0.006 s	0.001 s
SuiteCreationLiaison>isUninitialized	32	0.006 s	0.005 s
clearvars	3	0.006 s	0.004 s
...>PostUpdatePlugin.PostUpdatePlugin	3	0.006 s	0.004 s
parseOnOff	1080	0.006 s	0.006 s
...us_NSE_Preprocessing>@(x)size(x,1)	2160	0.006 s	0.006 s

...uttonImage>ButtonImage.updateCache	18	0.005 s	0.005 s
onCleanup>onCleanup.onCleanup	43	0.005 s	0.005 s
...utton>ToolbarStateButton.set.Value	6	0.005 s	0.004 s
getParentNameFromFilename	4	0.005 s	0.004 s
java.io.File (Java method)	49	0.005 s	0.005 s
...on>AxesToolbarButton.getParentImpl	54	0.005 s	0.005 s
...eCreationLiaison.SuiteCreationLiaison	4	0.005 s	0.004 s
edit>resolveWithFileSystem	4	0.005 s	0.001 s
isSupportedFile	2	0.005 s	0.003 s
table2FitMatrix>removeArg	1080	0.005 s	0.005 s
...widgets.spreadsheet.data.ValueSummary (Java method)	350	0.005 s	0.005 s
...eCreationLiaison.get.SimpleParentName	8	0.005 s	0.004 s
classificationModels	1080	0.005 s	0.005 s
...t;ToolbarController.ToolbarController	3	0.005 s	0.004 s
...tionSuiteCreationService.getParseTree	4	0.005 s	0.002 s
@mtree\private\collect_qualifiers	11	0.005 s	0.003 s
...dateInputsForBinaryComparisonFunction	35	0.005 s	0.004 s
metaDim>metaDim.initWithCompatibility	1	0.005 s	0.000 s
...ontroller>ToolbarController.delete	3	0.004 s	0.004 s
regressionModels	1080	0.004 s	0.004 s
varNamesDim>varNamesDim.init	1	0.004 s	0.000 s
...lbarButtonRegistry.createRegistryMaps	1	0.004 s	0.001 s
...AllowsAnythingNamingConventionService	4	0.004 s	0.002 s
edit>resolveWithDir	4	0.004 s	0.003 s
gcbf	6	0.004 s	0.004 s
...>UnifiedAxesInteractions.getCanvas	15	0.004 s	0.004 s

open>isFile	4	0.004 s	0.004 s
...vacomponentdoc_helper>savelistener	3	0.004 s	0.004 s
mtree.mtree>validateInput	14	0.004 s	0.004 s
mdbfileonpath>isFileInPackage	3	0.004 s	0.001 s
metaDim>metaDim.checkReservedNames	1	0.004 s	0.003 s
isdir	15	0.003 s	0.003 s
ReqData.exists	4	0.003 s	0.002 s
...er.StorageMapper>StorageMapper.get	6	0.003 s	0.003 s
...arButtonRegistry.isValidButtonForAxes	10	0.003 s	0.003 s
...t;ToolbarButtonRegistry.createMapping	2	0.003 s	0.003 s
edit>hasFileTypeEditor	2	0.003 s	0.000 s
...eationLiaison.get.UsingDefaultFactory	8	0.003 s	0.002 s
opaque.char	12	0.003 s	0.003 s
opaque.strcmpi	3	0.003 s	0.001 s
...nLiaison.get.NamingConventionServices	4	0.003 s	0.002 s
...>SuiteCreationLiaison.get.Filename	4	0.003 s	0.002 s
isPublishingTest	21	0.003 s	0.003 s
...c_helper>parseAndValidateArguments	3	0.003 s	0.000 s
mtree.root	11	0.003 s	0.003 s
...tory>NonTestFactory.NonTestFactory	4	0.003 s	0.003 s
hggetbehavior>localPeek	10	0.003 s	0.003 s
...gt;SuiteCreationLiaison.get.ParseTree	4	0.003 s	0.002 s
path>isValidInput	336	0.003 s	0.003 s
....ButtonImage>ButtonImage.set.Layer	9	0.003 s	0.003 s
...es>TableProperties.TableProperties	1	0.003 s	0.000 s
edit>getFileTypeEditor	2	0.003 s	0.001 s
edit>isUsingBuiltinEditor	2	0.003 s	0.002 s

isInstalled	4	0.003 s	0.003 s
strmatch	3	0.003 s	0.003 s
...t;TabularProperties.TabularProperties	1	0.002 s	0.002 s
@opaque\private\fromOpaque	6	0.002 s	0.002 s
...t;ToolbarController.handleMouseExited	36	0.002 s	0.002 s
...viewerhelper>upconvertIntegralType	555	0.002 s	0.002 s
java.lang.String (Java method)	89	0.002 s	0.002 s
mdbfileonpath>isPrivate	3	0.002 s	0.001 s
getActionForFileType	2	0.002 s	0.002 s
clearBreakpoint	1	0.002 s	0.000 s
...;@()MLFileUtils.isMdlFile(inFilename)	6	0.002 s	0.002 s
...entionService.NamingConventionService	4	0.002 s	0.002 s
...lbarButtonRegistry.createRegistration	13	0.002 s	0.002 s
...geMapper>StorageMapper.getInstance	6	0.002 s	0.002 s
...DataCursorBehavior.DataCursorBehavior	9	0.002 s	0.002 s
IconView>IconView.IconView	9	0.002 s	0.002 s
ispc	97	0.002 s	0.002 s
...tdoc_helper>validateSwingComponent	3	0.002 s	0.002 s
+editor\private\checkCollection	9	0.002 s	0.002 s
isSidString	12	0.002 s	0.002 s
...eeUtils>ParseTreeUtils.isTreeError	7	0.002 s	0.001 s
getSuiteCreationServicesForToolstrip	4	0.002 s	0.002 s
ReqData.getInstance	4	0.002 s	0.002 s
edit>isSimpleFile	2	0.002 s	0.001 s
rmfield	1	0.002 s	0.002 s
...er>customizeSwingHandleForPainting	3	0.002 s	0.001 s
...FileUtils.isNativeMexFile(inFilename)	3	0.002 s	0.002 s

ControlsGroup>ControlsGroup.addChild	4	0.002 s	0.002 s
repmat>checkSizesType	292	0.002 s	0.002 s
...n>Button.checkColorSpaceDependency	9	0.002 s	0.002 s
Button.Button>Button.set.FaceType	9	0.002 s	0.002 s
clearvars>parseArgs	3	0.002 s	0.002 s
close	2	0.002 s	0.001 s
@mt...vate\collect_qualifiers>is_qual	11	0.002 s	0.002 s
rowNamesDim>rowNamesDim.rowNamesDim	1	0.001 s	0.001 s
...avior>DataCursorBehavior.dosupport	9	0.001 s	0.001 s
mdbfileonpath>areFilenamesEqualForRun	12	0.001 s	0.001 s
close>getEmptyHandleList	3	0.001 s	0.001 s
...@()MlxFileUtils.isMlxFile(inFilename)	3	0.001 s	0.001 s
Button.Button>Button.set.Layer	9	0.001 s	0.001 s
IconView>IconView.set.Selected	6	0.001 s	0.001 s
...ner.CartesianAxesInteractionContainer	3	0.001 s	0.001 s
...xesToolbar>AxesToolbar.set.Opacity	1	0.001 s	0.001 s
absolute_path	2	0.001 s	0.001 s
Button.Button>Button.set.BorderType	9	0.001 s	0.001 s
Document.Document>Document.Document	2	0.001 s	0.001 s
mdbfileonpath>isStandardExtension	6	0.001 s	0.001 s
...gt;@()MLFileUtils.isPFile(inFilename)	3	0.001 s	0.001 s
edit>openOperator	2	0.001 s	0.000 s
edit>strtrim	2	0.001 s	0.001 s
edit>openWithFileSystemAndExts	2	0.001 s	0.000 s
edit>isAbsolutePath	2	0.001 s	0.001 s
Document.Document>isAbsolutePath	2	0.001 s	0.001 s
isunix	6	0.001 s	0.001 s

...()MLFileUtils.isMlappFile(inFilename)	3	0.001 s	0.001 s
...entionLiaison.NamingConventionLiaison	4	0.001 s	0.001 s
edit>checkEndsWithBadExtension	2	0.001 s	0.001 s
allchild>getchildren	3	0.001 s	0.001 s
makeValidName	1	0.001 s	0.001 s
mtree.isnull	8	0.001 s	0.001 s
...r>InteractionContainer.get.Enabled	15	0.001 s	0.001 s
mtree.indices	4	0.001 s	0.001 s
edit>resolveOperator	2	0.001 s	0.001 s
...ntdoc_helper>@(o.e)delete(hgProxy)	3	0.001 s	0.001 s
datatipinfo>truncateText	4	0.001 s	0.001 s
waitbar>@()set(0,'Units',oldRootUnits)	3	0.001 s	0.001 s
pwd	9	0.001 s	0.001 s
edit>resolveWithFileSystemAndExts	2	0.001 s	0.000 s
...mingConventionService.meetsConvention	4	0.001 s	0.001 s
...allbacks>isJavaHandleWithCallbacks	3	0.001 s	0.001 s
...nLiaison.set.NamingConventionServices	4	0.001 s	0.001 s
fliplr	4	0.001 s	0.001 s
...set(rootobj,'ShowHiddenHandles',Temp)	3	0.001 s	0.001 s
getHeader	1	0.001 s	0.001 s
...ionContainer.AxesInteractionContainer	3	0.001 s	0.000 s
Document.Document>fileNameToJavaFile	4	0.001 s	0.001 s
mtree.isempty	14	0.001 s	0.001 s
mustBeLessThanOrEqual	4	0.001 s	0.001 s
fullfile>@(x)~iscell(x)&&isempty(x)	144	0.001 s	0.001 s
stringToLegacyText	62	0.001 s	0.001 s
...utton>ToolbarStateButton.get.Value	6	0.001 s	0.001 s

getSimpleParentName	4	0.001 s	0.001 s
isCompletePath	2	0.001 s	0.001 s
...eractionSet.DefaultAxesInteractionSet	2	0.001 s	0.001 s
finfo>getExtension	2	0.001 s	0.000 s
+editor\private\checkFilename	22	0.001 s	0.001 s
PrintBehavior>PrintBehavior.dosupport	1	0.001 s	0.001 s
edit>isMLX	2	0.001 s	0.000 s
edit>hasExtension	2	0.001 s	0.000 s
settings	2	0.001 s	0.001 s
mtree.count	7	0.001 s	0.001 s
+editor\private\checkBreakpoint	4	0.001 s	0.001 s
ismethod	1	0.001 s	0.001 s
SuiteCreationLiaison>UNINITIALIZED	32	0.001 s	0.001 s
close>getLiveEditorFigures	1	0.001 s	0.001 s
...vasPlugin>CanvasPlugin.getInstance	3	0.001 s	0.001 s
Control>Control.Control	12	0.001 s	0.001 s
...>CustomProperties.CustomProperties	1	0.001 s	0.000 s
...>TestSuiteFactory.TestSuiteFactory	4	0.001 s	0.001 s
...ities>VariableUtilities.showHeader	2	0.000 s	0.000 s
hasDisplay	6	0.000 s	0.000 s
edit>translateUserHomeDirectory	2	0.000 s	0.000 s
HGBehavior>HGBehavior.HGBehavior	10	0.000 s	0.000 s
xlsreadSupportedExtensions	2	0.000 s	0.000 s
isFigureShowEnabled	6	0.000 s	0.000 s
uitools\private\allchildRootHelper	3	0.000 s	0.000 s
Backdrop>Backdrop.set.Layer	2	0.000 s	0.000 s
...ractionContainer.InteractionContainer	3	0.000 s	0.000 s

...componentdoc_helper>validateParent	3	0.000 s	0.000 s
...havior>PrintBehavior.PrintBehavior	1	0.000 s	0.000 s
edit>checkJavaAvailable	2	0.000 s	0.000 s
Service>Service.Service	4	0.000 s	0.000 s
...DataTipUtilities.getStructOrClassName	1	0.000 s	0.000 s
ImageSource>ImageSource.ImageSource	9	0.000 s	0.000 s
...DataTipUtilities.getVariableNameParts	1	0.000 s	0.000 s
cellstr	2	0.000 s	0.000 s
Backdrop>Backdrop.set.Color	2	0.000 s	0.000 s
...entdoc_helper>getHGOwnerForCleanup	3	0.000 s	0.000 s
close>checkfigs	3	0.000 s	0.000 s
close>request_close	3	0.000 s	0.000 s
datatipinfo>@()format(origFormat)	4	0.000 s	0.000 s
...e.editor.breakpoints.MatlabBreakpoint (Java method)	11	0.000 s	0.000 s
mpower	3	0.000 s	0.000 s
finfo>@()warning(avWarnState)	2	0.000 s	0.000 s
ca.odell.glazedlists.BasicEventList (Java method)	9	0.000 s	0.000 s
java.util.ArrayList (Java method)	14	0.000 s	0.000 s
getHeader>getDoubleHeader	1	0.000 s	0.000 s
isOperator	2	0.000 s	0.000 s
clearvars>createPattern	3	0.000 s	0.000 s
numberedNames	1	0.000 s	0.000 s
...mponentdoc_helper>validatePosition	3	0.000 s	0.000 s
...mponentdoc_helper>addJavaCallbacks	3	0.000 s	0.000 s
...>tabularDimension.tabularDimension	3	0.000 s	0.000 s
datatipinfo>getTruncationLimit	4	0.000 s	0.000 s

metaDim>metaDim.orientAs	1	0.000 s	0.000 s
varNamesDim>varNamesDim.orientAs	1	0.000 s	0.000 s
...BaseInteractionSet.BaseInteractionSet	2	0.000 s	0.000 s
...gt;StorageMapper.getLinkfileExtension	2	0.000 s	0.000 s
java.awt.Color (Java method)	3	0.000 s	0.000 s
...akpoints.BreakpointInstallationResult (Java method)	3	0.000 s	0.000 s
...rButtonRegistry.ToolbarButtonRegistry	1	0.000 s	0.000 s
java.lang.Class (Java method)	3	0.000 s	0.000 s

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

ns. Self