










Profile Summary

Generated 11-Jun-2020 12:54:51 using performance time.

Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
string	2161114	27.238 s	23.148 s	
string>type_check	2161114	4.090 s	4.090 s	
...ilities>localSetParamEnableVisible	1403061	5.715 s	5.715 s	
first_match	1080512	8.323 s	8.323 s	
network.network	945420	5138.771 s	27.839 s	
network.subsasgn>nextsubs	810420	9.243 s	9.243 s	
network.subsasgn>matchstring	810390	9.563 s	9.563 s	
network.subsasgn>nsubsasgn	810374	3.622 s	3.622 s	
network.subsasgn>network_subsasgn	810360	86.255 s	36.603 s	
@network/private/nn_update_read_only	810360	14.044 s	14.044 s	
network.subsasgn	810360	109.750 s	23.495 s	
network.network>setnet	810300	49.666 s	26.177 s	
minargs	540502	2.057 s	2.057 s	
filesep	540483	6.802 s	6.802 s	
nnetParamInfo>fcn2filename	540272	21.690 s	14.890 s	
...amInfo>nnetParamInfo.nnetParamInfo	540272	3950.149 s	3870.978 s	
...ilities>localSetParamEnableVisible	273768	1.510 s	1.510 s	
real_0_to_1	270110	12.714 s	10.546 s	
real_0_to_1>type_check	270110	1.110 s	1.110 s	
@network/private/isposint	270108	1.387 s	1.387 s	
name	270104	0.818 s	0.818 s	
error_norm_mode	270104	17.527 s	10.218 s	
error_norm_mode>type_check	270104	6.310 s	3.076 s	
parameterInfo	270104	3977.687 s	28.020 s	
...rage>RamDatasetStorage.numElements	237740	0.714 s	0.714 s	
...orage>DatasetStorage.checkIdxRange	138144	0.305 s	0.305 s	
parameter_defaults	135186	1976.610 s	12.775 s	

nnModuleInfo	135170	5002.718 s	971.056 s	
normalize	135068	0.439 s	0.439 s	
mse	135054	5013.121 s	5.602 s	
network.subsasgn>setNumLayers	135052	1.629 s	1.143 s	
network.subsasgn>setNumInputs	135052	2.501 s	1.536 s	
info	135052	4015.605 s	24.409 s	
type	135052	0.474 s	0.474 s	
performance_fcn	135052	14.676 s	14.676 s	
performance_fcn	135052	5007.519 s	6.090 s	
network.subsasgn>setBiasConnect	135052	0.672 s	0.662 s	
network.subsasgn>setLayerConnect	135052	0.754 s	0.700 s	
network.subsasgn>setInputConnect	135052	0.691 s	0.655 s	
network.subsasgn>setOutputConnect	135052	0.592 s	0.585 s	
network.network>new_network	135050	5110.932 s	44.173 s	
nnetParam>nnetParam.nnetParam	135050	4.046 s	4.046 s	
...ributes>localSetParamEnableVisible	114070	6.164 s	6.164 s	
utilGetNumericDialogSettings	99568	7.864 s	7.356 s	
...rage>RamDatasetStorage.getElements	88353	1.119 s	0.755 s	
cellstr	86031	0.820 s	0.820 s	
...aset>Dataset.verifyDatasetIsScalar	83324	0.959 s	0.959 s	
cell.unique	76327	8.432 s	3.220 s	
cell.unique>celluniqueR2012a	76323	4.207 s	4.207 s	
fixptdialog>param_NOT_visible	76038	0.622 s	0.622 s	
partialMatchString	66385	1.026 s	0.875 s	
strlength	66385	0.151 s	0.151 s	
FindParam	61614	2.981 s	2.296 s	
FindParam>CheckIdx	59888	0.686 s	0.686 s	
interp1>parseinputs	58520	1.670 s	1.346 s	
interp1	58520	9.493 s	7.029 s	
interp1>reshapeAndSortXandV	58520	0.794 s	0.600 s	

interp1>reshapeValuesV	58520	0.194 s	0.194 s	
interp1>sanitycheckmethod	58496	0.324 s	0.324 s	
Dataset.Dataset>Dataset.numElements	49805	1.196 s	0.463 s	
repmat>checkSizesType	49012	0.081 s	0.081 s	
cell.strcat	39394	4.853 s	4.276 s	
STL_Formula.STL_EvalThom>GetValues	38978	30.898 s	15.021 s	
Element.Element>Element.Element	35581	0.142 s	0.142 s	
STL_Formula.STL_EvalThom_Gen>GetValues	33896	36.821 s	8.679 s	
...ata>datametadataset.Interpolation	32544	1.156 s	0.974 s	
Dataset.locGet	31499	9.552 s	2.189 s	
Dataset.locGetWrapperWithNotFoundWarning	31499	0.660 s	0.581 s	
Dataset.getElement	31499	0.780 s	0.780 s	
...ndWarning>locReportNotFoundWarning	31499	0.078 s	0.078 s	
FileGenConfig>FileGenConfig.isReadOnly	28686	0.141 s	0.079 s	
FileGenConfig>FileGenConfig.get.ReadOnly	28686	0.062 s	0.062 s	
@STL_Formula/private/generic_predicate	26882	28.108 s	19.051 s	
...eneric_predicate',mode,traj,t.params)	26882	29.400 s	1.292 s	
Element.Element>Element.setName	26442	0.352 s	0.352 s	
repmat	24537	1.519 s	1.438 s	
Signal.Signal>Signal.set.PortType	24408	0.378 s	0.378 s	
...metadata>timemetadataset.timemetadataset	24392	0.151 s	0.151 s	
Dataset.Dataset>Dataset.getLength	24380	0.581 s	0.197 s	
...timemetadataset.timemetadataset.get.End	24360	0.125 s	0.125 s	
getFullName	23811	0.863 s	0.863 s	
SDIEvent.SDIEvent>SDIEvent.SDIEvent	23391	0.922 s	0.922 s	
cell.ismember	23379	0.907 s	0.503 s	
Dataset.locGet>locGetElements	23377	0.421 s	0.104 s	
orderfields	22814	12.175 s	11.947 s	
utilStateAttributes>localSetParams	22814	13.342 s	7.178 s	
Dataset.Dataset>Dataset.utPrivateCheck	22360	0.160 s	0.160 s	
Instance.getSetEngine	21357	0.360 s	0.360 s	
@STL_Formula/private/RobustEv (MEX-file)	21093	0.913 s	0.913 s	
BlockPath.BlockPath>BlockPath.manglePath	20470	0.256 s	0.256 s	

fullfile>@(x)~iscell(x)&&isempty(x)	19944	0.024 s	0.024 s	
fullfile	19621	2.653 s	1.599 s	
fullfile>refinePath	19621	0.402 s	0.398 s	
fullfile>ensureTrailingFilesep	19619	0.312 s	0.121 s	
fullfile>addTrailingFileSep	19619	0.191 s	0.191 s	
DatasetStorage.numElements	19323	0.167 s	0.094 s	
num2cell	19278	0.392 s	0.392 s	
unique	19174	2.815 s	1.194 s	
unique>uniqueR2012a	19163	1.614 s	1.302 s	
SICovCC.ConfigComp.getName	18770	0.039 s	0.039 s	
Instance.engine	18306	0.540 s	0.226 s	
Dataset.Dataset>Dataset.Dataset	18292	1.099 s	0.822 s	
...t;RamDatasetStorage.RamDatasetStorage	18292	0.214 s	0.152 s	
...rage>DatasetStorage.DatasetStorage	18292	0.062 s	0.062 s	
Dataset.subsref	18292	46.086 s	1.846 s	
cell.setdiff	16356	5.592 s	0.501 s	
cell.setdiff>cellsetdiffR2012a	16356	5.063 s	1.383 s	
...orter.exportRun>loc_createElements	16272	8.343 s	2.000 s	
BlockData.BlockData>BlockData.BlockData	16272	0.141 s	0.089 s	
DatasetStorage.cacheElementIfNeeded	16272	41.708 s	0.371 s	
...a.timemetadata>timemetadata.create	16272	0.450 s	0.369 s	
...s.timeseries>timeseries.timeseries	16272	2.782 s	1.569 s	
...metadata>datametadata.datametadata	16272	0.046 s	0.046 s	
...metadata>qualmetadata.qualmetadata	16272	0.042 s	0.042 s	
...olation>interpolation.createLinear	16272	0.160 s	0.160 s	
...lation>interpolation.interpolation	16272	0.412 s	0.412 s	
...portRun>loc_applyForEachFormatting	16272	0.157 s	0.157 s	
Signal.Signal>Signal.Signal	16272	0.403 s	0.261 s	
BlockData.BlockData>BlockData.set.Values	16272	0.297 s	0.256 s	
utValidSignalOrCompositeData	16272	0.042 s	0.042 s	
...DatasetCache>DatasetCache.isCached	16272	0.090 s	0.090 s	
...ies.timeseries>timeseries.get.Data	16242	0.484 s	0.452 s	
...atametadata>datametadata.isstorage	16242	0.032 s	0.032 s	

usejava	15718	0.294 s	0.294 s	
sfix_dtprop (MEX-file)	15335	0.157 s	0.157 s	
@STL_Formula/private/RobustOr (MEX-file)	15334	0.338 s	0.338 s	
...om>@(t)phi.evalfn(0,traj,t,params)	14394	14.835 s	3.704 s	
STL_Formula.STL_EvalThom>GetTimeValues	14394	0.357 s	0.357 s	
STL_Formula.disp	13069	7.800 s	0.409 s	
STL_Formula.STL_ExtractSignals	12986	24.597 s	14.103 s	
sortrows>canCallBuiltinHelper	12952	0.048 s	0.048 s	
...ula.STL_EvalThom_Gen>GetTimeValues	12488	0.332 s	0.332 s	
...en>@(t)phi.evalfn(0,traj,t,params)	12488	18.599 s	0.331 s	
Simulink.CustomCC.update	12462	0.041 s	0.041 s	
das_get_enum_values	12446	0.508 s	0.508 s	
utilGetDialogSettings	12446	10.724 s	2.860 s	
callbackSyncDataType	12444	0.222 s	0.222 s	
fixptdialog>get_param_value	12372	0.480 s	0.480 s	
cell.intersect	12252	3.850 s	0.325 s	
cell.intersect>cellintersectR2012a	12250	3.504 s	0.949 s	
...lLoggingInfo.getLogAsSpecifiedInModel	12212	0.780 s	0.681 s	
Engine.Engine>Engine.set_dirty	12204	0.051 s	0.051 s	
sortrows	11929	0.406 s	0.303 s	
...trVisibilities>getBlockDataTypeStr	11407	6.096 s	1.405 s	
callbackMaskVisibilities	11407	100.713 s	20.454 s	
extractBefore	11407	0.472 s	0.311 s	
strfun/private/isTextStrict	11407	0.083 s	0.083 s	
...ivate/convertStringToOriginalTextType	11407	0.078 s	0.078 s	
utilDataTypeStrVisibilities	11407	39.176 s	27.366 s	
utilStateAttributes	11407	15.126 s	1.784 s	
Engine.safeTransaction	11187	46.790 s	7.028 s	
SimulationOutput>SimulationOutput.get	11185	0.283 s	0.283 s	
utilUpdateInport	10330	0.314 s	0.107 s	
fileGenControl>@(a){1}	10210	0.038 s	0.038 s	
...>Dataset.utNeedsTransparentElement	10156	0.107 s	0.107 s	
Dataset.Dataset>Dataset.getStorage	10156	1.227 s	0.105 s	

Preset_traj_ref	9689	2.439 s	0.609 s	
@STL_Formula/private/RobustAnd (MEX-file)	9565	0.075 s	0.075 s	
ispc	9489	0.100 s	0.100 s	
slfeature	9365	0.298 s	0.183 s	
start_simulink	9365	0.115 s	0.115 s	
BlockPath.BlockPath>BlockPath.BlockPath	9159	0.367 s	0.245 s	
Dataset.subsasgn	9153	1.303 s	1.127 s	
DatasetRef.getSortedSignalIDs	9153	0.067 s	0.066 s	
...rage>RamDatasetStorage.addElements	9139	0.826 s	0.542 s	
...rage>RamDatasetStorage.setElements	9139	0.235 s	0.184 s	
Dataset.addElementWithoutChecking	9139	1.913 s	0.373 s	
...t.convertToTransparentElementIfNeeded	9139	0.305 s	0.169 s	
Dataset.copyStorageIfNeededBeforeWrite	9139	0.179 s	0.179 s	
...ignalSpecification.isCachedBlockValid	8280	0.130 s	0.130 s	
pwd	8212	0.071 s	0.071 s	
RTW.transformPaths	8196	0.531 s	0.183 s	
...nfig>FileGenConfig.set.CacheFolder	8196	0.112 s	0.060 s	
...ig>FileGenConfig.set.CodeGenFolder	8196	0.092 s	0.051 s	
RTW.transformPaths>locCheckArgs	8196	0.271 s	0.271 s	
...pdateBoundSignals>@(x)x.PortHandle	8184	0.016 s	0.016 s	
...ignals>getFullyQualifiedSignalName	8184	0.345 s	0.345 s	
...pdateBoundSignals>computePortWidth	8184	0.086 s	0.086 s	
...updateBoundSignals>computeDataType	8184	0.730 s	0.681 s	
...updateBoundSignals>getIsMultirate	8184	0.050 s	0.050 s	
...BlockPath>BlockPath.convertToCell	8184	0.048 s	0.048 s	
...ion>SignalSpecification.bindSignal	8152	1.251 s	0.074 s	
...SignalSpecification.checkAndApplyPath	8152	1.050 s	1.050 s	
WorkspaceParser.performLazyImport	8136	0.671 s	0.444 s	
Engine.helperCreateTimeseriesForExport	8136	7.758 s	2.144 s	
...BlockData>BlockData.set.BlockPath	8136	0.748 s	0.401 s	
WorkspaceExporter.exportRun	8136	31.997 s	10.880 s	
...rage>RamDatasetStorage.getMetaData	8136	0.282 s	0.228 s	
...lementByIndex>locGetElementByIndex	8136	34.270 s	0.549 s	


...orter>SignalExporter.exportElement	8136	4.411 s	2.927 s	
WorkspaceExporter.createPendingExporters	8136	0.069 s	0.069 s	
Engine.getSignalRunID	8136	0.949 s	0.949 s	
...Vec.typeVec.is1d.compressLen.strVals)	8136	0.177 s	0.082 s	
...eriesForExport>loc_castCustomTypes	8136	0.096 s	0.096 s	
... hasDups hasInterp3d fixedInc>0)	8136	0.035 s	0.035 s	
...eTimeseriesForExport>loc_setTSInfo	8136	1.166 s	0.689 s	
timeseries.setinterpmethod	8136	1.025 s	0.631 s	
...sForExport>isCustomConstructedType	8136	0.088 s	0.088 s	
...ametadata>datametadata.isTimeFirst	8136	0.032 s	0.032 s	
...rtRun>loc_applyDataLoggingOverride	8136	0.025 s	0.025 s	
WorkspaceExporter.getDomainExporter	8136	0.039 s	0.039 s	
Signal.Signal>Signal.set.PropagatedName	8136	0.107 s	0.107 s	
Dataset.Dataset>Dataset.utSetElements	8136	0.212 s	0.117 s	
...ge>RamDatasetStorage.utSetElements	8136	0.095 s	0.095 s	
DatasetRef.getElementByIndex	8136	40.714 s	0.140 s	
DatasetRef.getElement	8136	40.956 s	0.243 s	
...setCache>DatasetCache.cacheElement	8136	0.176 s	0.176 s	
DatasetStorage.getMetaData	8136	41.917 s	0.090 s	
DatasetStorage.fullyLoadCache	8122	1.078 s	0.042 s	
Dataset.addElement	8122	1.897 s	0.239 s	
Dataset.locGet>locScanObject	8122	4.165 s	1.363 s	
Dataset.locGet>locParseFindOptions	8122	0.158 s	0.158 s	
Dataset.locGet>locGetNestedSearchOpts	8122	0.072 s	0.072 s	
DatasetStorage.getMemoryResidentStorage	8122	1.122 s	0.043 s	
...gt;Dataset.isDatatypeAllowedInDataset	8122	0.088 s	0.088 s	
Dataset.Dataset>Dataset.add	8122	1.971 s	0.073 s	
...imeseries.utcreateuniformwithoutcheck	8120	1.907 s	0.669 s	
...timemetadata>timemetadata.getData	8120	0.235 s	0.110 s	
...ies.timeseries>timeseries.get.Time	8120	0.441 s	0.206 s	
...on>AxesToolbarButton.getParentImpl	7476	0.166 s	0.166 s	
fixptdialog>commonToAllBlocks_pre	7185	0.325 s	0.109 s	
fixptdialog	7185	30.933 s	1.915 s	

TimeScopeBlock.start	7147	1.007 s	0.764 s	
TimeScopeBlock.getIsERTMobileTargetImpl	7147	0.491 s	0.491 s	
...SelectorController.getSelectedDisplay	7147	0.103 s	0.103 s	
TimeScopeBlock.terminate	7147	0.334 s	0.334 s	
SetParam	7063	2.598 s	0.476 s	
...igComp.schema>locGetRecordCoverage	6818	0.138 s	0.138 s	
int2str	6466	0.231 s	0.231 s	
slprivate	6344	11.233 s	0.532 s	
...isibilities>getPID2dofFormulalmage	6222	1.154 s	0.644 s	
callbackStateAttributes	6222	0.108 s	0.108 s	
...>ModelLoggingInfo.set.OverrideMode	6208	0.267 s	0.267 s	
...gInfo.assertSizeOfLogAsSpecifiedMatch	6164	0.075 s	0.075 s	
strfun/private/strescape	6153	0.158 s	0.143 s	
Dataset.get	6102	0.974 s	0.094 s	
Dataset.numArgumentsFromSubscript	6102	0.110 s	0.110 s	
num2str	5578	0.473 s	0.184 s	
BreachSet>BreachSet.FindSignalsIdx	5222	0.951 s	0.631 s	
bdIsLoaded	5109	0.325 s	0.297 s	
is_simulink_loaded	5109	0.029 s	0.029 s	
...Dataset>Dataset.utGetIndexFromSubs	5085	0.282 s	0.119 s	
...>Dataset.utReplaceBDatasetEndIndex	5085	0.019 s	0.019 s	
...er>AxesLayoutManager.getParentImpl	5082	0.019 s	0.019 s	
...char(x))&&strcmpi('parent',x)	5018	0.041 s	0.025 s	
isStringScalar	5018	0.015 s	0.015 s	
rmfield	5003	0.720 s	0.708 s	
...omp.schema>locGetCovModelRefEnable	4198	0.092 s	0.092 s	
fileGenControl	4098	5.297 s	0.450 s	
fileGenControl>locParseInput	4098	0.322 s	0.322 s	
fileGenControl>locVerifyNargoutCount	4098	0.013 s	0.013 s	
FileGenConfig>FileGenConfig.copy	4098	1.397 s	0.885 s	
...Config>FileGenConfig.FileGenConfig	4098	0.056 s	0.056 s	
...nfig.set.UseConfigSetNameForTgtFolder	4098	0.081 s	0.065 s	
...arallelModelReferenceBuildsForTesting	4098	0.073 s	0.057 s	

...eGenConfig.set.CodeGenFolderStructure	4098	0.163 s	0.146 s	
fileGenControl>locGetSafeConfigCopy	4098	4.103 s	2.004 s	
...nfig.get.UseConfigSetNameForTgtFolder	4098	0.011 s	0.011 s	
...arallelModelReferenceBuildsForTesting	4098	0.011 s	0.011 s	
...eGenConfig.get.CodeGenFolderStructure	4098	0.014 s	0.014 s	
str2num	4091	0.235 s	0.062 s	
str2num>protected_conversion	4091	0.173 s	0.173 s	
@STL_Formula/private/fun__zero	3836	0.128 s	0.128 s	
Legend.doGetChildren	3784	0.447 s	0.447 s	
onCleanup>onCleanup.onCleanup	3530	0.049 s	0.049 s	
onCleanup>onCleanup.delete	3530	1.142 s	0.070 s	
...ement>BreachRequirement.getAliases	3304	0.426 s	0.426 s	
STL_Formula.disp>form_string	3268	7.391 s	7.391 s	
SICovCC.ConfigComp.schema>locGetCovScope	3177	0.205 s	0.205 s	
vncallback	3167	1.405 s	0.105 s	
sldvsharecallback	3155	0.078 s	0.076 s	
...geTypeQualifier',StateStorageTypeStr)	3099	0.592 s	0.592 s	
...log>handleDataTypePropagationBlock	3093	28.694 s	0.166 s	
...og>get_datatype_determines_scaling	3093	27.746 s	0.055 s	
...gt:dataTypeEditFieldDeterminesScaling	3093	27.507 s	27.052 s	
hasmask	3093	0.456 s	0.456 s	
sIDDGUtil	3093	27.586 s	0.079 s	
modeladvisor/private/getCGIRMode	3067	0.102 s	0.036 s	
ModelAdvisor.getActiveModelAdvisorObj	3067	0.066 s	0.066 s	
modeladvisorprivate	3067	0.370 s	0.268 s	
isprop	3051	0.463 s	0.063 s	
isprop>hasProp	3051	0.401 s	0.401 s	
...ionOutput>SimulationOutput.subsref	3049	1.843 s	1.725 s	
...lationOutput.isPublicPropertyOrMethod	3049	0.016 s	0.016 s	
BreachParam>BreachParam.setValue	3045	24.413 s	0.125 s	
BreachParam>BreachParam.getWorkspace	3045	24.288 s	24.288 s	
BreachSet>BreachSet.hasTraj	2904	0.030 s	0.030 s	

java.security.MessageDigest\$Delegate (Java method)	2880	0.121 s	0.121 s	
subplot>isSubplotCandidate	2832	0.031 s	0.031 s	
SLXPartHandler>SLXPartHandler.pExecute	2760	5.170 s	0.132 s	
Stair.Stair>Stair.get.Edge	2600	0.016 s	0.016 s	
isCharOrString	2568	0.010 s	0.010 s	
strcat	2521	0.334 s	0.301 s	
blanks	2521	0.033 s	0.033 s	
...ttonImage>@(e,d)obj.updateCache(e)	2506	0.250 s	0.037 s	
...uttonImage>ButtonImage.updateCache	2506	0.213 s	0.213 s	
toolboxdir	2492	0.378 s	0.096 s	
...ton.AxesToolBarButton>makeIconPath	2492	1.204 s	0.028 s	
...dator>ToolBarValidator.isValidIcon	2492	0.551 s	0.502 s	
...on>AxesToolBarButton.setParentImpl	2492	0.245 s	0.231 s	
...rButton>AxesToolBarButton.set.Icon	2492	20.893 s	0.049 s	
...on>AxesToolBarButton.makeIconPaths	2492	1.219 s	0.015 s	
...>AxesToolBarButton.setStandardIcon	2492	20.293 s	18.581 s	
IconView>IconView.set.Icon	2492	0.485 s	0.237 s	
mustBeFinite	2492	0.008 s	0.008 s	
cell.union	2410	0.467 s	0.078 s	
cell.union>cellunionR2012a	2410	0.388 s	0.104 s	
axescheck	2402	0.220 s	0.179 s	
ismember>ismemberR2012a	2308	0.568 s	0.165 s	
ismember	2308	0.643 s	0.075 s	
fileparts	2266	0.108 s	0.086 s	
parseplotapi	2224	0.520 s	0.064 s	
usev6plotapi	2224	0.262 s	0.262 s	
stairs	2218	1.886 s	0.158 s	
xychk	2218	0.096 s	0.096 s	
bdIsLibrary	2192	0.036 s	0.036 s	
Stair.Stair>Stair.get.MarkerHandle	2140	0.013 s	0.013 s	
vnnv_assert_mgr>util_is_library	2126	0.046 s	0.013 s	
cgxprivate	2100	0.998 s	0.207 s	

cell2mat	2095	0.135 s	0.135 s	
...>ModelLoggingInfo.ModelLoggingInfo	2078	0.948 s	0.790 s	
...ingInfo>ModelLoggingInfo.set.Model	2066	0.038 s	0.038 s	
stairs>Lstairsv6	2066	0.205 s	0.111 s	
fixpt_look1_mask_data	2066	0.858 s	0.089 s	
...ggingInfo.createDefaultForLegacyModel	2064	1.790 s	0.255 s	
...lLoggingInfo.setLogAsSpecifiedInModel	2064	0.524 s	0.356 s	
ModelLoggingInfo.getSSID	2064	0.016 s	0.016 s	
numerictype	2064	0.298 s	0.290 s	
isnumerictype	2064	0.007 s	0.007 s	
fixdt	2064	0.610 s	0.312 s	
getdatatypespecs>FXP_DT_FIXPT	2062	0.006 s	0.006 s	
simulink/private/slautosave	2056	0.052 s	0.052 s	
fileGenControl>locErrorIfAdditionalArgs	2056	0.018 s	0.018 s	
strsplit	2051	0.432 s	0.172 s	
strfun/.../strescape>@(c)strescape(c)	2051	0.015 s	0.015 s	
strjoin	2051	0.107 s	0.102 s	
simulink/private/getVarCacheFilePath	2046	2.965 s	0.053 s	
load_system	2046	5.808 s	4.692 s	
...eGenConfig.getPropListsForInputParser	2042	0.151 s	0.139 s	
...>CodeGenFolderStructure.getDefault	2042	0.013 s	0.013 s	
fileGenControl>locParseProperty	2042	0.391 s	0.201 s	
...odelCov>TopModelCov.isTopMostModel	2042	0.042 s	0.042 s	
InstrumentedSignals.getObservedPorts	2040	1.164 s	0.782 s	
str2double	2040	0.085 s	0.085 s	
...SimulationMetadata.SimulationMetadata	2038	1.200 s	0.247 s	
...lLoggingInfo.getOverrideSignalIndices	2038	0.599 s	0.381 s	
...>ModelLoggingInfo.get.OverrideMode	2038	0.080 s	0.080 s	
Engine.cacheLatestRunMetaData	2038	0.398 s	0.282 s	
...etaData>locConvertMetaDataToStruct	2038	0.116 s	0.116 s	
...>SimulationMetadata.set.UserString	2038	0.029 s	0.029 s	
Instance.isRepositoryCreated	2034	0.043 s	0.020 s	
registerMetaDataUpdates	2034	0.008 s	0.008 s	

Engine.isValidRunID	2034	0.176 s	0.176 s	
...>SimulationOutput.SimulationOutput	2034	1.104 s	0.141 s	
...izer.is_valid_numeric_dataset_element	2034	0.144 s	0.144 s	
isenum	2034	0.070 s	0.070 s	
isfi	2034	0.005 s	0.005 s	
getPropertyFromPrefs	2034	0.456 s	0.092 s	
Engine.getPrefOptions	2034	0.364 s	0.364 s	
Psize_pts	1983	0.011 s	0.011 s	
...nPane>AnnotationPane.getParentImpl	1974	0.102 s	0.102 s	
SPurge	1831	0.617 s	0.051 s	
hggetbehavior	1664	1.050 s	0.047 s	
hggetbehavior>localPeek	1664	0.114 s	0.114 s	
hgbehaviorfactory>localCreate	1652	0.556 s	0.239 s	
hgbehaviorfactory>localGetBehaviorInfo	1652	0.247 s	0.247 s	
HGBehavior>HGBehavior.HGBehavior	1652	0.047 s	0.047 s	
hgbehaviorfactory	1652	0.572 s	0.016 s	
hggetbehavior>localGet	1648	1.001 s	0.288 s	
LinkProp.processMarkedClean	1632	0.312 s	0.263 s	
...hLink.processMarkedClean(varargin{:})	1632	0.340 s	0.027 s	
...te/localGetValues>@(a)any(objs==a)	1632	0.053 s	0.053 s	
ismember>ismemberBuiltinTypes	1620	0.051 s	0.051 s	
Control>Control.Control	1602	0.025 s	0.025 s	
...t>BreachRequirement.FindSignalsIdx	1488	1.401 s	0.142 s	
...nPane>AnnotationPane.doGetChildren	1464	0.227 s	0.227 s	
BreachSet>BreachSet.CheckinDomainParam	1463	0.216 s	0.180 s	
BreachSet>BreachSet.CheckinDomainTraj	1453	0.085 s	0.068 s	
ComputeTraj	1429	5886.899 s	0.273 s	
...r.AxesToolbar>AxesToolbar.addChild	1424	0.141 s	0.095 s	
validators/private/isNumericOrLogical	1424	0.002 s	0.002 s	
...ToolbarController.createToolbarButton	1424	26.987 s	0.799 s	
...>@(p)handler.doLoad(p.modelHandle)	1350	0.177 s	0.177 s	
BreachDomain>BreachDomain.checkin	1278	0.036 s	0.027 s	

BreachDomain>BreachDomain.checkin_double	1278	0.009 s	0.009 s	
...avior>DataCursorBehavior.dosupport	1260	0.014 s	0.014 s	
...DataCursorBehavior.DataCursorBehavior	1250	0.051 s	0.016 s	
Button.Button>Button.Button	1246	2.363 s	1.492 s	
Button.Button>Button.set.FaceType	1246	0.031 s	0.031 s	
Button.Button>Button.set.BorderType	1246	0.023 s	0.023 s	
Button.Button>Button.set.Layer	1246	0.029 s	0.029 s	
...n>Button.checkColorSpaceDependency	1246	0.012 s	0.012 s	
...t;AxesToolBarButton.AxesToolBarButton	1246	14.992 s	0.982 s	
...uttonImage>ButtonImage.ButtonImage	1246	0.359 s	0.359 s	
IconView>IconView.IconView	1246	0.030 s	0.013 s	
ImageSource>ImageSource.ImageSource	1246	0.017 s	0.017 s	
...nImage>ButtonImage.set.ImageSource	1246	0.314 s	0.314 s	
Button.Button>Button.set.Content	1246	0.340 s	0.257 s	
...ButtonImage>ButtonImage.set.Layer	1246	0.083 s	0.083 s	
...ller>ToolBarController.setCallback	1246	0.304 s	0.304 s	
...er>ToolBarController.getTooltipKey	1246	0.235 s	0.235 s	
ismember>ismemberClassTypes	1242	0.361 s	0.179 s	
BreachSet>BreachSet.ApplyParamGens	1241	0.012 s	0.012 s	
BreachSet>BreachSet.SetParam	1228	0.928 s	0.151 s	
deal	1210	0.039 s	0.039 s	
gobjects	1196	0.083 s	0.081 s	
...r>InteractionContainer.get.Enabled	1174	0.026 s	0.026 s	
isBuiltinNoRmi	1125	0.149 s	0.149 s	
rmi_sl_callback	1113	0.644 s	0.070 s	
...omp.schema>locSetCovMetricSettings	1111	0.092 s	0.045 s	
...mp.schema>locSortCovMetricSettings	1111	0.047 s	0.047 s	
Legend.Legend>Legend.get.version	1106	0.015 s	0.015 s	
exectime_profiling_callback	1103	0.029 s	0.029 s	
STL_Formula.STL_EvalThom	1091	31.728 s	0.790 s	
STL_Formula.STL_Eval	1091	32.469 s	0.138 s	
SICovCC.ConfigComp.ConfigComp	1083	1.951 s	0.913 s	
SICovCC.ConfigComp.schema>locSetCovScope	1083	0.186 s	0.161 s	

SlCovCC.ConfigComp.schema>locSetCovPath	1083	0.020 s	0.020 s	
...vCC.ConfigComp.covScopeChangeCallback	1083	0.006 s	0.006 s	
...ema>locGetCovMetricStructuralLevel	1083	0.032 s	0.032 s	
...schema>locGetCovMetricLookupTable	1083	0.015 s	0.015 s	
...schema>locGetCovMetricSignalRange	1083	0.014 s	0.014 s	
...p.schema>locGetCovMetricSignalSize	1083	0.014 s	0.014 s	
...gt;locGetCovMetricObjectiveConstraint	1083	0.013 s	0.013 s	
...GetCovMetricSaturateOnIntegerOverflow	1083	0.014 s	0.014 s	
...>locGetCovMetricRelationalBoundary	1083	0.013 s	0.013 s	
...ma>locGetCovLogicBlockShortCircuit	1083	0.013 s	0.013 s	
...a>locGetCovUnsupportedBlockWarning	1083	0.014 s	0.014 s	
...p.schema>locGetCovHighlightResults	1083	0.014 s	0.014 s	
Simulink.CustomCC.loadComponentDataModel	1083	0.480 s	0.353 s	
MetaConfigSet.registerComponent	1083	0.109 s	0.109 s	
MetaConfigSet.isLoaded	1083	0.019 s	0.019 s	
...utton>ToolbarStateButton.get.Value	1075	0.006 s	0.006 s	
cgxe/private/compilerman	1069	0.017 s	0.017 s	
...ToolbarStateButton.ToolbarStateButton	1068	13.031 s	0.240 s	
...utton>ToolbarStateButton.set.Value	1068	0.114 s	0.109 s	
IconView>IconView.set.Selected	1068	0.006 s	0.006 s	
vnn_assert_mgr	1067	0.219 s	0.109 s	
slcoverage_callback	1060	0.595 s	0.027 s	
addBaseMComponents	1053	2.330 s	0.412 s	
callbackTunerSelect	1037	0.863 s	0.129 s	
utilSelectVariants	1033	9.263 s	8.809 s	
maskInitialization	1033	16.327 s	1.331 s	
utilSatWindupTracking	1033	2.912 s	2.866 s	
genRepeatingSequenceStairBlockIconData	1033	0.901 s	0.039 s	
useDefaultRepeatingSequenceBlockIcon	1033	0.004 s	0.004 s	
slcoverage_callback>removeCoverage	1031	0.014 s	0.014 s	
sl	1031	0.639 s	0.167 s	
uint	1031	0.318 s	0.017 s	
simulink/private/counter_init	1031	0.050 s	0.020 s	

simulink/private/counter_init>isRunning	1031	0.026 s	0.026 s	
simulink/private/counter_init>get_nbits	1031	0.004 s	0.004 s	
getdatatypespecs	1031	0.214 s	0.125 s	
...pespecs>translateTlcDataTypeRecord	1031	0.005 s	0.005 s	
fixdtUpdate	1031	0.005 s	0.005 s	
getdatatypespecs>isStringCase	1031	0.037 s	0.037 s	
NumericType.getSpecifiedSign	1031	0.037 s	0.037 s	
...gt;BreachOpenSystem.GetParamsInputIdx	1031	0.222 s	0.101 s	
fptoolcallback	1029	1.009 s	0.590 s	
fxptui.getexplorer	1029	0.152 s	0.115 s	
FixedPointTool.getExistingInstance	1029	0.129 s	0.129 s	
BreachSet>BreachSet.GetTraceStatus	1029	0.047 s	0.040 s	
Utils>Utils.isOnTargetOneClickEnabled	1025	0.352 s	0.193 s	
Utils>Utils.isHostBasedFeaturedOn	1025	0.067 s	0.013 s	
isCoderTarget	1025	0.068 s	0.068 s	
FileDeleter>FileDeleter.deleteFiles	1023	0.406 s	0.200 s	
FileDeleter>FileDeleter.removeListeners	1023	0.069 s	0.020 s	
FileDeleter>FileDeleter.removeListener	1023	0.049 s	0.049 s	
...ter>FileDeleter.cleanupAfterDelete	1023	0.155 s	0.028 s	
...eter>FileDeleter.cleanupProperties	1023	0.058 s	0.058 s	
...bj.cleanupAfterDelete(warnStatus,bdh)	1023	0.170 s	0.015 s	
sortrowsParseInputs	1023	0.009 s	0.009 s	
sortrows>sortBackToFront	1023	0.046 s	0.046 s	
LAScope.updateBoundSignals>addSignals	1023	3.883 s	2.356 s	
simulink/private/isSimulationBuild	1023	0.132 s	0.049 s	
...t_mgr>mdl_update_primitive_asserts	1023	0.033 s	0.033 s	
simulink/private/isInCodeTraceEnabled	1023	0.177 s	0.133 s	
getActiveConfigSet	1023	0.127 s	0.054 s	
getModelObject	1023	0.073 s	0.073 s	
variantmanager	1023	0.188 s	0.188 s	
FileDeleter>FileDeleter.cleanup	1023	0.524 s	0.074 s	
FileDeleter>FileDeleter.Instance	1023	0.044 s	0.044 s	
uiservices.onOffToLogical	1023	0.008 s	0.008 s	

BlockPath.BlockPath>BlockPath.BlockPath	1023	0.090 s	0.040 s	
BlockPath.BlockPath>BlockPath.cacheSSIDs	1023	0.029 s	0.029 s	
LAScope.updateBoundSignals	1023	3.983 s	0.101 s	
BreachSet>BreachSet.dispTraceStatus	1023	0.049 s	0.014 s	
SLMenus.getSetNewDataAvailable	1021	0.850 s	0.768 s	
cgxe/private/computeCCChecksum	1021	0.732 s	0.069 s	
...gt:CustomCodeSettings.createFromModel	1021	0.614 s	0.202 s	
...CustomCodeSettings.CustomCodeSettings	1021	0.008 s	0.008 s	
...t:CustomCodeSettings.setFromConfigSet	1021	0.277 s	0.263 s	
cgxe (MEX-file)	1021	0.014 s	0.014 s	
...ngs>CustomCodeSettings.hasSettings	1021	0.017 s	0.017 s	
...et>EmphasisStyleSheet.removeStyler	1021	0.098 s	0.080 s	
...gt;EmphasisStyleSheet.getInstanceData	1021	0.018 s	0.018 s	
is_sf_fixpt_autoscale	1021	0.669 s	0.018 s	
...autoscale>model_contains_stateflow	1021	0.651 s	0.651 s	
TopModelCov.postModelStartFromTop	1021	0.063 s	0.043 s	
TopModelCov.restoreCoverageEnable	1021	0.038 s	0.016 s	
...>@(x)eng.cacheLatestRunMetaData(x)	1021	0.255 s	0.016 s	
TopModelCov.cleanupFastRestart	1021	0.054 s	0.054 s	
ModelLoggingInfo.cacheSSIDs	1019	0.070 s	0.055 s	
InstrumentedSignals.applyRebindingRules	1019	1.673 s	0.422 s	
...:ModelInterface.updateReferenceModels	1017	0.203 s	0.151 s	
onModelStart	1017	2.607 s	0.321 s	
...face.ModelInterface>@()warning(sw)	1017	0.018 s	0.018 s	
onModelStart>@()warning(sw)	1017	0.016 s	0.016 s	
ModelLoggingInfo.checkForDuplicates	1017	0.230 s	0.027 s	
...erface>ModelInterface.onModelStart	1017	5.253 s	0.305 s	
...ulationOutputParser.setMetaDataForRun	1017	0.210 s	0.156 s	
...>InterfaceMgr.onRunMetaDataUpdated	1017	0.149 s	0.097 s	
retrieveAoBHierarchy	1017	0.208 s	0.165 s	
serializeDatasetForRIL	1017	4.253 s	0.098 s	
InputSerializer.cacheSIFeatures	1017	0.098 s	0.028 s	
ModelLoggingInfo.refreshFromSSIDcache	1017	0.070 s	0.054 s	









ModelLoggingInfo.validate	1017	1.106 s	0.210 s	
...rface>SignalInterface.onModelStart	1017	1.778 s	0.204 s	
flushStreamingBackend	1017	21.373 s	21.332 s	
getStreamedRunDataForModel	1017	26.705 s	0.063 s	
...amedRunDataForModel>locTransaction	1017	3.364 s	1.582 s	
...f.DatasetRef>DatasetRef.DatasetRef	1017	0.211 s	0.077 s	
...rage>DatasetStorage.DatasetStorage	1017	0.776 s	0.325 s	
...utputParser.setMetaDataForStreamedRun	1017	0.455 s	0.071 s	
fireRunMetaDataUpdatedEvent	1017	0.323 s	0.090 s	
Framework>Framework.getFramework	1017	0.033 s	0.013 s	
Framework>Framework.framework	1017	0.020 s	0.020 s	
SLFramework.registerEnginePlugins	1017	0.015 s	0.012 s	
Engine.getLatestRunMetaData	1017	0.096 s	0.096 s	
LAScope.updateIsNewDataAvailable	1017	0.196 s	0.154 s	
LAScope.onModelStart	1017	4.540 s	0.028 s	
LAScope.validateBoundSignals	1017	0.595 s	0.595 s	
...TransparentElement.TransparentElement	1017	0.017 s	0.011 s	
...setCache>DatasetCache.DatasetCache	1017	0.051 s	0.030 s	
createRepositoryBackedDataset	1017	0.978 s	0.144 s	
Dataset.Dataset>Dataset.getElementNames	1017	42.061 s	0.080 s	I
...e.fullyLoadCache>locFullyLoadCache	1017	0.349 s	0.171 s	
...orModel>locCreateRepoBackedDataset	1017	1.595 s	0.160 s	
Engine.getCurrentStreamingRunID	1017	0.161 s	0.161 s	
Run.Run>Run.Run	1017	0.090 s	0.014 s	
Engine.getSource	1017	0.006 s	0.006 s	
DatasetRef.setIntervalsAndOverride	1017	0.007 s	0.007 s	
DatasetRef.DatasetRef>DatasetRef.get.Run	1017	0.119 s	0.029 s	
...dSignalIDs>locGetFilteredSignalIDs	1017	0.850 s	0.841 s	
...allIDs>loc_applyDataLoggingOverride	1017	0.009 s	0.009 s	
...tedSignalIDs>locGetSortedSignalIDs	1017	0.859 s	0.010 s	
helperOnModelStart	1017	0.692 s	0.591 s	
...asetRef>DatasetRef.get.numElements	1017	0.039 s	0.013 s	
DatasetStorage.validateOverride	1017	0.017 s	0.009 s	

DatasetRef.validateOverride	1017	0.008 s	0.008 s	
...NonDatasetSerializer.serializeDataset	1017	3.726 s	0.579 s	
...tSerializer.RtInpNonDatasetSerializer	1017	0.148 s	0.044 s	
...er>InputSerializer.InputSerializer	1017	0.005 s	0.005 s	
countRootInportsByType	1017	0.348 s	0.348 s	
istimetable	1017	0.004 s	0.004 s	
...zer>InputSerializer.serialize_leaf	1017	0.615 s	0.062 s	
...t:InputSerializer.serialize_leaf_core	1017	0.189 s	0.113 s	
...er>InputSerializer.serialize_array	1017	0.240 s	0.052 s	
...leaf_dataset_element_vs_aob_hierarchy	1017	0.169 s	0.041 s	
...t:InputSerializer.verify_node_is_leaf	1017	0.009 s	0.009 s	
...:InputSerializer.verify_leaf_datatype	1017	0.014 s	0.014 s	
...putSerializer.verify_leaf_string_data	1017	0.006 s	0.006 s	
...nputSerializer.verify_leaf_dimensions	1017	0.026 s	0.026 s	
...nputSerializer.verify_leaf_complexity	1017	0.007 s	0.007 s	
...r>InputSerializer.verify_leaf_unit	1017	0.008 s	0.008 s	
...t:InputSerializer.verify_leaf_vardims	1017	0.058 s	0.058 s	
...>InputSerializer.serialize_element	1017	0.705 s	0.089 s	
...rializer.serialize_element_with_check	1017	0.722 s	0.018 s	
...t_dataset_element_leaf_signal_offsets	1017	0.031 s	0.020 s	
...aset>loc_is_serialized_leaf_signal	1017	0.012 s	0.012 s	
addLeafOffsetsToSerializedDataset	1017	0.049 s	0.018 s	
pushRunMetaDataFromWorker	1017	0.015 s	0.008 s	
isParallelPoolSetup	1017	0.008 s	0.008 s	
...t:SignalInterface.startStreamingToWeb	1017	0.053 s	0.053 s	
...ceMgr>InterfaceMgr.getInterfaceMgr	1017	0.044 s	0.044 s	
...nterfaceMgr>InterfaceMgr.getWebHMI	1017	0.047 s	0.047 s	
...Util>ModelCloseUtil.ModelCloseUtil	1017	0.044 s	0.044 s	
...lLoggingInfo.supportsTestPointSignals	1017	0.058 s	0.058 s	
...fo>ModelLoggingInfo.removeSignals_	1017	0.176 s	0.176 s	
...o>ModelLoggingInfo.setFinalBpCache	1017	0.018 s	0.018 s	
...delCloseUtil>ModelCloseUtil.delete	1017	0.042 s	0.042 s	
slhmi>local_simulationStart	1017	5.302 s	0.049 s	

slhmi	1017	5.327 s	0.025 s	
...onOutput>SimulationOutput.setError	1017	0.169 s	0.040 s	
...gt;SimulationOutput.setFileSignatures	1017	0.095 s	0.095 s	
SimulationOutput>SimulationOutput.who	1017	0.038 s	0.038 s	
...tasetStorage>DatasetStorage.delete	1017	0.004 s	0.004 s	
...data)onRunMetaDataUpdated(this,data)	1017	0.158 s	0.009 s	
Sselect	1017	0.109 s	0.109 s	
...n>var_cp_signal_gen.computeSignals	1015	0.525 s	0.102 s	
...:BreachSimulinkSystem.GetXFrom_simout	1015	50.563 s	1.297 s	
...em>BreachSimulinkSystem.sim_breach	1015	5885.555 s	493.435 s	
...n>BreachSignalGen.breachSimWrapper	1015	0.675 s	0.089 s	
BreachOpenSystem>BreachOpenSystem.InitU	1015	1.073 s	0.259 s	
BreachSystem>BreachSystem.Sim	1015	554.247 s	0.102 s	
BreachSet>BreachSet.ResetSimulations	1015	0.485 s	0.078 s	
BreachSet>BreachSet.GetSysParamList	1015	0.028 s	0.028 s	
...p)breachSimWrapper(this,Sys,tspan,p)	1015	0.696 s	0.022 s	
ComputeTraj>task_sim	1015	5885.678 s	0.094 s	
...kSystem>BreachSimulinkSystem.InitU	1015	1.161 s	0.087 s	
...@(~,pts,tspan)(InitU(this,pts,tspan))	1015	1.182 s	0.022 s	
BreachStatus>BreachStatus.resetStatus	1015	0.063 s	0.063 s	
...tspan)this.sim_breach(Sys,pts,tspan)	1015	5885.584 s	0.029 s	
...rmula>parenthesisly_balanced_split	999	0.099 s	0.042 s	
isPublishingTest	995	0.059 s	0.059 s	
...reachOpenSystem.get_signal_attributes	972	0.446 s	0.064 s	
arraytolimits	972	0.111 s	0.013 s	
arraytolimits>localGetLimits	972	0.098 s	0.098 s	
...nteractions.createDefaultInteractions	971	0.688 s	0.390 s	
DataHash>CoreHash	970	0.192 s	0.113 s	
...stem>BreachTraceSystem.CountTraces	908	0.011 s	0.011 s	
DataHash	898	0.477 s	0.242 s	
...>BreachRequirement.GetSignalValues	898	1.009 s	0.089 s	

BreachSet>BreachSet.GetSignalValues	898	0.079 s	0.079 s	
STL_Formula.get_in_signal_names	896	0.052 s	0.052 s	
STL_Formula.get_out_signal_names	896	0.011 s	0.011 s	
...eSystem>BreachTraceSystem.AddTrace	892	0.798 s	0.287 s	
STL_Formula.STL_EvalThom_Gen	892	37.356 s	0.513 s	
...irement>BreachRequirement.eval_req	892	40.874 s	0.077 s	
STL_Formula.STL_Eval_IO	892	38.552 s	0.196 s	
stl_monitor>stl_monitor.init_tXp	892	0.595 s	0.050 s	
stl_monitor>stl_monitor.set_mode	892	0.216 s	0.164 s	
stl_monitor>stl_monitor.computeSignals	892	39.452 s	0.169 s	
stl_monitor>stl_monitor.get_standard_rob	892	38.688 s	0.137 s	
stl_monitor>stl_monitor.eval	892	39.461 s	0.009 s	
...>BreachRequirement.evalRequirement	892	39.700 s	0.023 s	
cell.setxor>cellsetxorR2012a	882	0.261 s	0.073 s	
SConcat	882	1.784 s	0.328 s	
cell.setxor	882	0.284 s	0.022 s	
STL_Formula.STL_OptimizePredicates	864	0.400 s	0.039 s	
BreachSet>BreachSet.GetParamList	826	0.030 s	0.030 s	
...gt;BreachRequirement.is_a_model_input	812	0.421 s	0.022 s	
fliplr	808	0.006 s	0.006 s	
...rement>BreachRequirement.ResetEval	806	0.964 s	0.108 s	
Legend.Legend>Legend.get.Box_I	804	0.008 s	0.008 s	
num2str>cellPrintf	800	0.032 s	0.032 s	
strjust>strjustOnChar	800	0.045 s	0.039 s	
strjust	800	0.051 s	0.006 s	
num2str>strvrcat	800	0.058 s	0.008 s	
Stair.Stair>Stair.get.Color_I	772	0.009 s	0.009 s	
tools	757	0.203 s	0.189 s	
Legend.Legend>Legend.get.Camera	754	0.005 s	0.005 s	
...>@(p)handler.doSave(p.modelHandle)	720	0.932 s	0.870 s	
...dateInputsForBinaryComparisonFunction	712	0.006 s	0.004 s	
convertUnits	708	0.083 s	0.083 s	
Legend.Legend>Legend.get.AutoUpdate	688	0.023 s	0.014 s	

Legend.Legend>Legend.getAutoUpdateImpl	688	0.009 s	0.009 s	
Legend.Legend>Legend.get.Color_I	684	0.009 s	0.009 s	
isInvalidInLogScale	676	0.012 s	0.007 s	
setdiff>setdiffR2012a	665	0.487 s	0.107 s	
setdiff	665	0.581 s	0.094 s	
Legend.Legend>Legend.get.Color	660	0.043 s	0.034 s	
Legend.Legend>Legend.get.Orientation_I	656	0.016 s	0.010 s	
Legend.Legend>Legend.getOrientationImpl	656	0.006 s	0.006 s	
@LinkProp/private/localSetAllEnableState	656	0.072 s	0.072 s	
Legend.Legend>Legend.get.BoxEdge	636	0.004 s	0.004 s	
Legend.Legend>Legend.get.BackgroundColor	624	0.163 s	0.086 s	
Legend.Legend>Legend.get.Box	624	0.036 s	0.030 s	
Legend.Legend>Legend.get.TitleSeparator	624	0.004 s	0.004 s	
rfprintf	623	0.174 s	0.174 s	
isInvalidInLogScale>basicImpl	616	0.004 s	0.004 s	
STL_Formula.check_params	612	0.048 s	0.048 s	
Stair.Stair>Stair.get.Color	612	0.034 s	0.027 s	
...thworks.toolbox.nnet.guis.nnTrainTool (Java method)	608	0.047 s	0.047 s	
Legend.Legend>Legend.get.Orientation	564	0.043 s	0.030 s	
...AxesInteractions.queuedAxesOperations	564	0.065 s	0.065 s	
Legend.autoUpdateCallback	552	1.303 s	0.248 s	
...nd>Legend.get.PlotChildrenExcluded	552	0.036 s	0.016 s	
...gt;Legend.get.PlotChildrenExcludedImpl	552	0.020 s	0.020 s	
STL_Formula.set_params	534	0.263 s	0.263 s	
ControlsGroup>ControlsGroup.addChild	534	0.018 s	0.018 s	
Legend.doMethod	532	2.408 s	0.051 s	
BreachSet>BreachSet.Concat	486	1.110 s	0.036 s	
isaSys	476	0.007 s	0.007 s	
STL_Formula.STL_ExtractPredicates	456	0.217 s	0.140 s	
isUIFigure	455	0.049 s	0.049 s	
Legend.Legend>Legend.get.Interpreter_I	454	0.005 s	0.005 s	
CreateParamSet	448	0.077 s	0.069 s	

Legend.Legend>Legend.get.Axes_I	448	0.015 s	0.009 s	
Legend.Legend>Legend.getAxesImpl	448	0.006 s	0.006 s	
Legend.Legend>Legend.get.Axes	424	0.036 s	0.022 s	
...blem>FalsificationProblem.stopping	417	0.010 s	0.005 s	
...eachProblem>BreachProblem.stopping	417	0.005 s	0.005 s	
BreachOpenSystem>BreachOpenSystem.Sim	414	5887.145 s	0.084 s	
...inkSystem>BreachSimulinkSystem.Sim	414	5887.154 s	0.010 s	
...irement>BreachRequirement.getBrSet	406	2358.608 s	0.213 s	
...nt>BreachRequirement.evalAllTraces	406	2399.541 s	0.058 s	
BreachRequirement>BreachRequirement.Eval	406	2399.568 s	0.027 s	
...oblem>BreachProblem.display_status	400	0.199 s	0.063 s	
...m.BreachProblem>BreachProblem.LogX	400	2.325 s	0.045 s	
...nProblem>FalsificationProblem.LogX	400	2.577 s	0.017 s	
...rement>BreachRequirement.GetDomain	400	0.052 s	0.026 s	
...Problem>BreachProblem.objective_fn	400	2376.732 s	0.027 s	
...Spec.Eval(this.BrSys,this.params,x))	400	2376.135 s	0.018 s	
...ample)this.objective_fn(x(:,isample))	400	2376.742 s	0.010 s	
flipud	398	0.051 s	0.019 s	
flip	398	0.031 s	0.031 s	
...quirement>BreachRequirement.Concat	396	0.974 s	0.045 s	
Legend.Legend>Legend.get.EntryContainer	374	0.003 s	0.003 s	
convertStringToCharArgs	368	0.010 s	0.010 s	
workspacefunc>localIsDistributedType	366	0.013 s	0.013 s	
...>UnifiedAxesInteractions.getCanvas	361	0.039 s	0.039 s	
...ner>InteractionContainer.clearList	360	0.004 s	0.004 s	
mustBeGreaterThanOrEqualTo	356	0.007 s	0.003 s	
mustBeLessThanOrEqualTo	356	0.003 s	0.002 s	
...tions.createDefaultInteractionsOnAxes	355	1.042 s	0.462 s	
@STL_Formula/private/parse_predicate	352	0.361 s	0.324 s	

Legend.Legend>Legend.get.FontName_I	348	0.005 s	0.005 s	
Legend.Legend>Legend.get.FontAngle_I	348	0.004 s	0.004 s	
Legend.Legend>Legend.get.FontWeight_I	348	0.004 s	0.004 s	
Legend.Legend>Legend.get.FontSize_I	340	0.004 s	0.004 s	
Legend.Legend>Legend.get.Location_I	336	0.010 s	0.006 s	
Legend.Legend>Legend.getLocationImpl	336	0.004 s	0.004 s	
...queueCreateDefaultInteractionsOnAxes	336	0.081 s	0.022 s	
...ent>BreachRequirement.is_a_data_in	336	0.153 s	0.007 s	
Legend.Legend>Legend.get.Location	328	0.029 s	0.019 s	
...nager>ScribeStackManager.findLayer	323	0.031 s	0.031 s	
Stair.Stair>Stair.get.LineStyle_I	320	0.004 s	0.004 s	
LinkProp.processPostUpdate	320	0.273 s	0.017 s	
...hLink.processPostUpdate(varargin{:})	320	0.278 s	0.005 s	
configureAxes>classcheck	316	0.001 s	0.001 s	
configureAxes>checkDim	316	0.087 s	0.021 s	
getChildrenForRuler	316	0.067 s	0.067 s	
makeNumeric>numericDim	316	0.002 s	0.002 s	
...ax)isa(ax,'matlab.ui.control.UIAxes')	314	0.007 s	0.007 s	
@LinkProp/private/insensitivefindprop	314	0.008 s	0.008 s	
@LinkProp/private/localSetEnableState	314	0.015 s	0.015 s	
kmeans>distfun	314	0.012 s	0.012 s	
Stair.Stair>Stair.get.LineWidth_I	312	0.003 s	0.003 s	
Stair.Stair>Stair.get.Marker_I	312	0.004 s	0.004 s	
Legend.Legend>Legend.get.Interpreter	312	0.019 s	0.016 s	
...:@(o,e)subplotlayoutInvalid(ax,e,fig)	312	0.020 s	0.020 s	
Stair.getXYZDataExtents	312	0.143 s	0.038 s	
preprocessextents	312	0.007 s	0.007 s	
Stair.doUpdate	308	0.432 s	0.350 s	
Stair.Stair>Stair.get.MarkerEdgeColor	308	0.020 s	0.016 s	
Stair.Stair>Stair.get.MarkerEdgeColor_I	308	0.004 s	0.004 s	
Stair.Stair>Stair.get.MarkerFaceColor	308	0.018 s	0.014 s	
Stair.Stair>Stair.get.MarkerFaceColor_I	308	0.003 s	0.003 s	
Stair.Stair>Stair.get.BrushHandles	308	0.005 s	0.005 s	

Stair.Stair>Stair.get.SelectionHandle	308	0.001 s	0.001 s	
updateLegendMenuToolbar	306	0.578 s	0.254 s	
...uToolbar>isValidLegendHandleObject	306	0.014 s	0.014 s	
...oolbar>isValidColorBarHandleObject	306	0.009 s	0.009 s	
datachk	304	0.002 s	0.002 s	
Stair.Stair>Stair.get.Clipping_I	304	0.003 s	0.003 s	
...@(obj,evd)(hObj.sendDataChangedEvent)	304	0.010 s	0.010 s	
markFigure	304	0.039 s	0.039 s	
nntraintool>find_tagged_figure	300	0.506 s	0.506 s	
...gend>Legend.get.AxesListenerList_I	288	0.003 s	0.003 s	
makehgtform>matrixMultiply	287	0.008 s	0.008 s	
nnCalcLib>nnCalcLib.broadcast	282	0.003 s	0.003 s	
message	272	0.027 s	0.027 s	
newplot	272	0.361 s	0.065 s	
newplot>ObserveFigureNextPlot	272	0.011 s	0.011 s	
newplot>ObserveAxesNextPlot	272	0.233 s	0.031 s	
Legend.Legend>Legend.get.ItemTokenSize	272	0.016 s	0.013 s	
Legend.Legend>Legend.get.ItemTokenSize_I	272	0.003 s	0.003 s	
Legend.Legend>Legend.getPositionImpl	270	0.050 s	0.048 s	
Legend.Legend>Legend.get.Position_I	270	0.055 s	0.005 s	
STL_Formula.STL_Formula>check_par	267	0.012 s	0.012 s	
STL_Formula.set_out_signal_names	266	3.011 s	0.067 s	
...(x,'matlab.graphics.primitive.Group')	264	0.007 s	0.007 s	
...ernal.updateLegendMenuToolbar(h,e,l)	246	0.205 s	0.004 s	
...slxPackager>slxPackager.isHarness	242	0.005 s	0.005 s	
@LinkProp/private/localGetValues	242	0.154 s	0.101 s	
@LinkProp/private/localSetValues	242	0.102 s	0.049 s	
...BreachOpenSystem.get_param_attributes	240	0.030 s	0.009 s	
...reachRequirement.get_param_attributes	240	0.069 s	0.010 s	
Text.Text>Text.getParentImpl	240	0.004 s	0.004 s	
BreachSet>BreachSet.is_variable	240	0.013 s	0.004 s	
BreachSet>BreachSet.get_param_attributes	240	0.016 s	0.003 s	
BreachSet>@(c)(~isempty(c))	237	0.001 s	0.001 s	

...etAllViewers>@(a)isequal(viewer,a)	232	0.003 s	0.003 s	
...kager>slxPackager.getPackageReader	230	0.037 s	0.037 s	
Legend.Legend>Legend.get.SelectionHandle	228	0.002 s	0.002 s	
iscategorical	227	0.001 s	0.001 s	
...r>FeedbackHandler.updateInsideSPMD	225	0.010 s	0.005 s	
...>FeedbackHandler.updateOutsideSPMD	225	0.865 s	0.004 s	
etime	221	0.008 s	0.008 s	
...end>Legend.get.DecorationContainer	216	0.002 s	0.002 s	
Legend.Legend>Legend.get.BoxFace	216	0.002 s	0.002 s	
...havior>PrintBehavior.PrintBehavior	214	0.010 s	0.003 s	
PrintBehavior>PrintBehavior.dosupport	214	0.016 s	0.016 s	
...Formula>checks_parenthesis_balance	210	0.057 s	0.044 s	
Legend.Legend>Legend.get.UnitsImpl	204	0.034 s	0.033 s	
Legend.Legend>Legend.get.Units_I	204	0.038 s	0.004 s	
Legend.Legend>Legend.get.Units	204	0.051 s	0.014 s	
Legend.Legend>Legend.get.LineWidth_I	204	0.002 s	0.002 s	
...xesInteractions.isFigureToolBarHidden	203	0.009 s	0.009 s	
...sInteractions.checkIfHWCallbacksExist	203	0.025 s	0.025 s	
...xesInteractions.checkIfCameraPropsSet	203	0.016 s	0.016 s	
slxPackager.hasPart	198	0.036 s	0.015 s	
Legend.doMethod>supportsTitle	196	0.017 s	0.011 s	
Legend.doMethod>hasTitle	196	0.005 s	0.005 s	
...gend>Legend.get.NumColumnsInternal	196	0.002 s	0.002 s	
Legend.Legend>Legend.get.NumRowsInternal	196	0.002 s	0.002 s	
ctorHelper	194	0.137 s	0.091 s	
BreachStatus>BreachStatus.disp_msg	192	0.008 s	0.008 s	
...Legend>Legend.get.AxesListenerList	192	0.011 s	0.009 s	
legend>istextscalar	188	0.002 s	0.002 s	
workspacefunc>getShortValueObjectI	187	0.152 s	0.040 s	
workspacefunc>locallString	187	0.007 s	0.007 s	
STL_Formula.STL_Formula>STL_Parse	186	0.697 s	0.053 s	
linspace	183	0.003 s	0.003 s	
Simulink.BlockDiagram.executeCallbacks	182	0.102 s	0.037 s	

hasbehavior	180	0.008 s	0.008 s	
...ractionContainer.InteractionContainer	180	0.005 s	0.005 s	
Legend.Legend>Legend.get.ColorSpace	180	0.001 s	0.001 s	
BreachDomain>BreachDomain.BreachDomain	179	0.005 s	0.005 s	
Backdrop>Backdrop.set.Color	179	0.005 s	0.005 s	
...anager>ScribeStackManager.getLayer	179	0.041 s	0.014 s	
...ibeLayer>ScribeLayer.checkValidity	179	0.011 s	0.011 s	
getDefaultCamera	179	0.114 s	0.077 s	
is2D>testOneAxes	178	1.388 s	1.094 s	
...tions.createHardwareCallbackListeners	178	0.198 s	0.198 s	
...esInteractions.createToolBarListeners	178	0.095 s	0.095 s	
...xesToolBar>AxesToolBar.AxesToolBar	178	0.667 s	0.195 s	
FadeGroup>FadeGroup.FadeGroup	178	0.027 s	0.023 s	
Backdrop>Backdrop.Backdrop	178	0.114 s	0.100 s	
...t:ToolBarController.getDefaultToolBar	178	28.546 s	0.372 s	
...sGroup>ControlsGroup.ControlsGroup	178	0.175 s	0.169 s	
Backdrop>Backdrop.set.Layer	178	0.010 s	0.010 s	
...xesToolBar>AxesToolBar.AxesToolBar	178	0.670 s	0.003 s	
...xesToolBar>AxesToolBar.set.Opacity	178	0.024 s	0.021 s	
...t:ToolBarPushButton.ToolbarPushButton	178	2.328 s	0.008 s	
is2D	178	1.396 s	0.007 s	
workspacefunc>num2complex	176	0.097 s	0.016 s	
...eachRequirement.get_signal_attributes	176	0.351 s	0.012 s	
wb_indices	174	0.046 s	0.046 s	
match	174	0.003 s	0.003 s	
network.gensim>transformMask	170	0.002 s	0.002 s	
Legend.Legend>Legend.get.EdgeColor_l	168	0.002 s	0.002 s	
findall	164	6.773 s	5.903 s	
...set(rootobj,'ShowHiddenHandles',Temp)	164	0.018 s	0.018 s	
...>showHiddenHandlesToFindAllHandles	164	0.026 s	0.026 s	
...t:LinkProp.set.HasPostUpdateListeners	164	0.005 s	0.002 s	
@LinkProp/private/CheckOnOff	164	0.002 s	0.002 s	
campos	162	0.510 s	0.376 s	

...h)isa(axh,'matlab.ui.control.UIAxes')	162	0.003 s	0.003 s	
camtarget	162	0.050 s	0.050 s	
LinkAxes.LinkAxes>LinkAxes.LinkAxes	162	0.002 s	0.002 s	
Stair.Stair>Stair.get.LineStyle	160	0.010 s	0.008 s	
Stair.Stair>Stair.get.Marker	160	0.011 s	0.008 s	
Legend.Legend>Legend.get.TextColor_l	160	0.002 s	0.002 s	
Legend.doUpdate>convertUnits	160	0.010 s	0.010 s	
SlCovCC.ConfigComp.propertyChanged	158	0.009 s	0.005 s	
SlCovCC.ConfigComp.getBlockDiagram	158	0.003 s	0.003 s	
specgraph/private/getRealData	158	0.007 s	0.007 s	
getRulersForChild	158	0.053 s	0.027 s	
configureAxes>checkChildren	158	0.092 s	0.004 s	
configureAxes	158	0.098 s	0.006 s	
makeNumeric	158	0.061 s	0.006 s	
nextstyle	158	0.045 s	0.045 s	
...t;ScribeStackManager.getDefaultCamera	155	0.036 s	0.003 s	
nntraintool	154	6.253 s	0.064 s	
...)(isa(c,'matlab.graphics.axis.Axes'))	154	0.001 s	0.001 s	
parseparams	152	0.012 s	0.011 s	
stairs>parseargs	152	0.020 s	0.005 s	
checkpvpairs	152	0.002 s	0.002 s	
Stair.Stair>Stair.setEdge_lFanoutProps	152	0.128 s	0.100 s	
Stair.Stair>Stair.Stair	152	0.584 s	0.155 s	
Stair.Stair>Stair.set.Color_l	152	0.018 s	0.017 s	
...gt;Stair.setMarkerHandle_lFanoutProps	152	0.097 s	0.079 s	
Stair.Stair>Stair.set.Edge_l	152	0.133 s	0.005 s	
Stair.Stair>Stair.set.MarkerSize_l	152	0.015 s	0.015 s	
Stair.Stair>Stair.set.MarkerHandle_l	152	0.101 s	0.005 s	
Stair.Stair>Stair.doSetup	152	0.057 s	0.057 s	
plotyy>fevalfun	152	1.139 s	0.022 s	
mat2str	152	0.042 s	0.038 s	
mat2str>isenumeration	152	0.004 s	0.004 s	
nnCalcLib>nnCalcLib.getwb	152	0.038 s	0.011 s	

getwb	152	0.027 s	0.027 s	
...dAxesInteractions.disableInteractions	152	0.004 s	0.002 s	
Bar.Bar>Bar.get.Horizontal	152	0.005 s	0.003 s	
Bar.Bar>Bar.getHorizontalImpl	152	0.002 s	0.002 s	
...>Rotate3dBehavior.Rotate3dBehavior	152	0.006 s	0.002 s	
...ehavior>Rotate3dBehavior.dosupport	152	0.003 s	0.003 s	
plotyy>goodscales	152	0.004 s	0.004 s	
...r>InteractionContainer.set.Enabled	152	0.012 s	0.008 s	
disableDefaultInteractivity	152	0.051 s	0.038 s	
InitBreach	150	1.888 s	1.876 s	
setwb	150	0.070 s	0.008 s	
separatwb	150	0.030 s	0.030 s	
parseMaskDisplay>updateCommand	148	0.005 s	0.005 s	
Legend.doMethod>defaultContextMenuCB	144	0.022 s	0.020 s	
makehgtform	144	0.040 s	0.033 s	
...src,ed)defaultContextMenuCB(uic,ed,h)	144	0.024 s	0.003 s	
Legend.Legend>Legend.get.DataSpace	144	0.001 s	0.001 s	
Legend.Legend>Legend.get.EdgeColor	144	0.009 s	0.007 s	
nnCalcLib>nnCalcLib.setwb	141	0.040 s	0.014 s	
setwb	141	0.026 s	0.026 s	
trainPerf	141	3.433 s	0.019 s	
perfs (MEX-file)	141	3.414 s	3.414 s	
nnCalcLib>nnCalcLib.trainPerf	141	3.451 s	0.018 s	
...sToolbar>AxesToolbar.doGetChildren	138	0.030 s	0.030 s	
...mathworks.toolbox.nnet.matlab.nnTools (Java method)	137	0.008 s	0.008 s	
Legend.doMethod>getsizeinfo	136	1.350 s	0.109 s	
Legend.getNamesForLayout	136	0.031 s	0.027 s	
Legend.doMethod>getStringSizes	136	1.170 s	1.114 s	
Legend.doMethod>getpixelsperpoint	136	0.010 s	0.010 s	
Legend.Legend>Legend.get.NumColumnsMode	136	0.002 s	0.002 s	
Legend.Legend>Legend.set.NumRowsInternal	136	0.003 s	0.003 s	
Legend.Legend>Legend.get.NumColumns_I	136	0.002 s	0.002 s	

...gend>Legend.set.NumColumnsInternal	136	0.002 s	0.002 s	
...LegendEntry>LegendEntry.set.Color	136	0.008 s	0.008 s	
...endEntry>LegendEntry.set.FontAngle	136	0.008 s	0.008 s	
...ndEntry>LegendEntry.set.FontWeight	136	0.008 s	0.008 s	
...gendEntry>LegendEntry.set.FontName	136	0.007 s	0.007 s	
...gendEntry>LegendEntry.set.FontSize	136	0.007 s	0.007 s	
...dEntry>LegendEntry.set.Interpreter	136	0.007 s	0.007 s	
Legend.doMethod>getsize	136	0.008 s	0.006 s	
Text.Text>Text.set.Position	136	0.009 s	0.009 s	
...Info>ItemLayoutInfo.ItemLayoutInfo	136	0.002 s	0.002 s	
...ndEntry>LegendEntry.set.LayoutInfo	136	0.009 s	0.009 s	
...y.LegendEntry>LegendEntry.doUpdate	136	0.138 s	0.071 s	
Text.Text>Text.set.Color	136	0.012 s	0.012 s	
Text.Text>Text.set.FontAngle	136	0.011 s	0.011 s	
Text.Text>Text.set.FontName	136	0.011 s	0.011 s	
Text.Text>Text.set.FontSize	136	0.011 s	0.011 s	
Text.Text>Text.set.FontWeight	136	0.010 s	0.010 s	
Text.Text>Text.set.Interpreter	136	0.011 s	0.011 s	
Text.Text>Text.doUpdate	136	0.027 s	0.027 s	
datasample	136	0.033 s	0.021 s	
Simulink.BlockDiagram.addCallback	132	0.054 s	0.051 s	
addBlockDiagramCallback	132	0.065 s	0.012 s	
@mtree/.../collect_qualifiers>is_qual	130	0.002 s	0.002 s	
...gnalSpecification.getAlignedBlockPath	128	0.011 s	0.007 s	
...gnalSpecification.SignalSpecification	128	0.031 s	0.031 s	
kmeans>gcentroids	127	0.009 s	0.009 s	
graph2d/private/labelcheck	122	0.091 s	0.008 s	
Legend.getEntries	120	0.029 s	0.014 s	
...n.LegendIcon>LegendIcon.LegendIcon	120	0.054 s	0.054 s	
...y.LegendEntry>LegendEntry.set.Icon	120	0.017 s	0.017 s	
Text.Text>Text.doSetup	120	0.124 s	0.106 s	
Text.Text>Text.set.TextComp	120	0.018 s	0.018 s	
Text.Text>Text.Text	120	0.155 s	0.016 s	

...LegendEntry>LegendEntry.set.Label	120	0.030 s	0.026 s	
...r>InterfaceManagerHelper.getAction	118	0.009 s	0.009 s	
expandLegendChildren	118	0.064 s	0.057 s	
islegendable	118	0.047 s	0.038 s	
Legend.Legend>Legend.get.standalone	118	0.009 s	0.008 s	
Legend.Legend>Legend.get.standalone_l	118	0.001 s	0.001 s	
STL_Formula.STL_Formula	114	13.511 s	0.075 s	
STL_Formula.set_in_signal_names	114	1.290 s	0.026 s	
Simulink.GeneralPrefs.isHierarchical	113	0.000 s	0.000 s	
Simulink.EditorPrefs.isHierarchical	113	0.000 s	0.000 s	
Simulink.ModelFilePrefs.isHierarchical	113	0.000 s	0.000 s	
ReqData.exists	112	0.005 s	0.001 s	
ReqData.getInstance	112	0.003 s	0.003 s	
STL_Formula.get_id	112	0.002 s	0.002 s	
STLDB_Remove	111	0.016 s	0.016 s	
dastudio/private/dig_get_schema	110	0.328 s	0.029 s	
..._get_schema>loc_performAutoDisable	108	0.019 s	0.009 s	
parameterInfo	108	0.000 s	0.000 s	
...r>AxesLayoutManager.set.LayoutList	108	0.006 s	0.006 s	
...gend>Legend.get.SelfListenerList_l	108	0.001 s	0.001 s	
..._get_schema>loc_applyCustomFilters	108	0.021 s	0.018 s	
hold	102	0.067 s	0.042 s	
codetools/private/dataviewerhelper	99	0.009 s	0.006 s	
workspacefunc>getAbstractValueSummary_l	98	0.051 s	0.041 s	
workspacefunc>getclass	98	0.006 s	0.006 s	
TimeScopeBlock.onModelSave	98	0.005 s	0.005 s	
parseMaskDisplay>i_Contains	98	0.003 s	0.003 s	
grid	98	0.102 s	0.085 s	
parseArgs	98	0.017 s	0.015 s	
parseArgs	98	0.025 s	0.008 s	
...ecutePostCreateCallbacks>i_execute	96	0.062 s	0.002 s	
cla	96	0.212 s	0.018 s	
graphics/private/claNotify	96	0.018 s	0.018 s	

graphics/private/clo	96	0.176 s	0.176 s	
...er>SubplotListenersManager.disable	96	0.170 s	0.170 s	
...ger>SubplotListenersManager.enable	96	0.085 s	0.085 s	
...gnalSpecification.get.OutputPortIndex	96	0.001 s	0.001 s	
...nager>AxesLayoutManager.findMethod	96	0.116 s	0.116 s	
...Legend>Legend.set.AxesListenerList	96	0.022 s	0.012 s	
...nd>Legend.set.AxesListenerListMode	96	0.007 s	0.006 s	
...nd>Legend.get.AxesListenerListMode	96	0.001 s	0.001 s	
...gend>Legend.set.AxesListenerList_l	96	0.002 s	0.002 s	
generateDisplayNames	94	0.026 s	0.025 s	
@mtree/private/collect_qualifiers	94	0.006 s	0.004 s	
...UpdateCallback>removeNestedObjects	94	0.038 s	0.029 s	
Legend.autoUpdateCallback>processGroups	94	0.068 s	0.005 s	
...end>Legend.getPlotChildrenExcluded	94	0.017 s	0.009 s	
...d>Legend.get.PlotChildrenSpecified	94	0.010 s	0.004 s	
...t;Legend.getPlotChildrenSpecifiedImpl	94	0.006 s	0.006 s	
...nd>Legend.getPlotChildrenSpecified	94	0.019 s	0.009 s	
STL_Formula.get_params	92	0.003 s	0.003 s	
title	92	1.407 s	0.714 s	
Legend.Legend>Legend.get.FontSizeMode	92	0.001 s	0.001 s	
exploreaccessor>localGetFromMode	92	0.003 s	0.003 s	
ToolBars	90	0.186 s	0.008 s	
simulink/private/sl_auto_disable	88	0.013 s	0.013 s	
graph2d/private/subplot_parseargs	88	0.027 s	0.023 s	
subplot>addAxesToGrid	88	0.262 s	0.173 s	
subplot	88	0.984 s	0.489 s	
...ubplotListenersManager.addToListeners	88	0.075 s	0.058 s	
...Manager.SubplotDeleteListenersManager	88	0.001 s	0.001 s	
...DeleteListenersManager.addToListeners	88	0.006 s	0.006 s	
BreachSystem>@(c)(params_prop(c))	88	0.001 s	0.001 s	
java.lang.String (Java method)	87	0.004 s	0.004 s	
Bar.Bar>Bar.get.WidthScaleFactor_l	85	0.001 s	0.001 s	
checkSupportedNumeric	85	0.002 s	0.002 s	

allchild	84	0.062 s	0.026 s	
...set(rootobj,'ShowHiddenHandles',Temp)	84	0.008 s	0.008 s	
...ckager>slxPackager.getDirtyManager	84	0.001 s	0.001 s	
allchild>getchildren	84	0.024 s	0.024 s	
uitools/private/allchildRootHelper	84	0.002 s	0.002 s	
meshgrid	84	0.006 s	0.006 s	
subplot>datasiblings	82	0.093 s	0.092 s	
@LinkProp/private/localGetAllViewers	82	0.048 s	0.044 s	
@LinkProp/private/localUpdateListeners	82	0.318 s	0.225 s	
@LinkProp/private/localSync	82	0.046 s	0.044 s	
LinkProp.LinkProp>LinkProp.LinkProp	82	0.386 s	0.042 s	
@LinkProp/private/normalizePropertyNames	82	0.017 s	0.009 s	
@LinkProp/private/localDeleteListeners	82	0.001 s	0.001 s	
...d,n)localSync(hlist,prop.ind,n,hLink)	82	0.048 s	0.002 s	
@LinkProp/private/localForeachProp	82	0.055 s	0.007 s	
LinkProp.LinkProp>LinkProp.get.Enabled	82	0.001 s	0.001 s	
LinkProp.LinkProp>LinkProp.set.Targets	82	0.320 s	0.002 s	
linkprop	82	0.391 s	0.005 s	
nntraintool>doubleArray2JavaArray	81	0.200 s	0.067 s	
...tManager.removeInvalidLayoutListItems	80	0.050 s	0.013 s	
...Manager>AxesLayoutManager.doUpdate	80	0.841 s	0.225 s	
isStateflowApp	80	0.005 s	0.005 s	
data	80	0.035 s	0.012 s	
...esLayoutManager.updateInnerOuterLists	80	0.145 s	0.065 s	
Legend.addToLayout	80	0.027 s	0.010 s	
...sLayoutManager.syncLayoutInfoFromAxes	80	0.003 s	0.003 s	
...tManager.updateStartingLayoutPosition	80	0.038 s	0.018 s	
...er.AxesLayoutManager>isNearlyEqual	80	0.011 s	0.002 s	
...utManager>AxesLayoutManager.is2Dim	80	0.008 s	0.008 s	
data>type_check	80	0.021 s	0.004 s	
createListener	80	0.014 s	0.014 s	
...plotListenersManager>findemptycell	80	0.004 s	0.004 s	
...otListenersManager>find3emptycells	80	0.013 s	0.013 s	

...viewerhelper>upconvertIntegralType	78	0.002 s	0.002 s	
...xPackager.isExportingToReleaseOrOlder	78	0.004 s	0.004 s	
java.io.File (Java method)	77	0.004 s	0.004 s	
TimeScopeBlock.onBlockDelete	77	0.009 s	0.007 s	
TimeScopeBlock.removePreShowCallback	77	0.001 s	0.001 s	
plotyy>localCreateDefaultsCleanup	76	0.012 s	0.011 s	
...defaultAxesColorOrderMode',defCOMode)	76	0.011 s	0.011 s	
plotyy	76	4.449 s	1.958 s	
SLXPart>SLXPart.getPartDef	76	0.001 s	0.001 s	
...kager>slxPackager.getPackageWriter	76	0.004 s	0.004 s	
...er>slxPackager.getUnpackedPartName	76	1.076 s	1.076 s	
STL_Formula.STL_Break	76	0.233 s	0.030 s	
updateFontProperties	76	0.051 s	0.042 s	
Legend.Legend>Legend.get.FontNameMode	76	0.001 s	0.001 s	
Legend.Legend>Legend.get.FontAngleMode	76	0.001 s	0.001 s	
Legend.Legend>Legend.get.FontWeightMode	76	0.001 s	0.001 s	
Legend.updateTitleProperties	76	0.003 s	0.003 s	
Legend.Legend>Legend.set.Position_1	76	0.055 s	0.009 s	
Legend.Legend>Legend.setLayoutPosition	76	0.061 s	0.006 s	
uigetmodemanager	76	0.053 s	0.019 s	
...gt;PlotYYListenerManager.addListenerers	76	0.219 s	0.017 s	
SplotSat>find_prop	76	0.005 s	0.005 s	
ishold	76	0.015 s	0.015 s	
plotyy>bestscale	76	0.020 s	0.012 s	
...tYYListenerManager.set.ListenersAdded	76	0.222 s	0.003 s	
...ListenerManager.PlotYYListenerManager	76	0.231 s	0.008 s	
perfsJEI	75	93.758 s	0.025 s	I
perfsJEI>iDirection	75	0.002 s	0.002 s	
perfsJEI>iJacobianFunctionForDirection	75	0.030 s	0.030 s	
backproplacobianStatic (MEX-file)	75	93.701 s	93.701 s	I
nnCalcLib>nnCalcLib.perfsJEI	75	93.886 s	0.128 s	I
nntraintool>refresh_open_plots	75	0.568 s	0.040 s	
stop_or_cancel	75	0.045 s	0.003 s	

...ainToolFeedback.updateOutsideSPMDImpl	75	0.861 s	0.006 s	
trainlm>updateTrainingState	75	0.083 s	0.013 s	
...rainToolFeedback.updateInsideSPMDImpl	75	0.006 s	0.004 s	
update	75	0.019 s	0.015 s	
...gt;MultiFeedback.updateInsideSPMDImpl	75	0.019 s	0.009 s	
FeedbackHandler>FeedbackHandler.update	75	0.893 s	0.003 s	
...t;MultiFeedback.updateOutsideSPMDImpl	75	0.871 s	0.006 s	
...box.nnet.library.variables.nnVariable (java method)	74	0.003 s	0.003 s	
Linger>Linger.reparent	73	0.117 s	0.096 s	
trainlm>trainingIteration	73	100.812 s	5.537 s	I
Linger>Linger.enable	73	0.020 s	0.020 s	
trackBestNetwork	73	0.007 s	0.003 s	
...twork>trackByValidationPerformance	73	0.004 s	0.004 s	
info	72	0.029 s	0.023 s	
transfer_fcn	72	0.010 s	0.010 s	
transfer_fcn	72	0.597 s	0.007 s	
...Legend>Legend.get.SelfListenerList	72	0.006 s	0.005 s	
...Diagram.executeCallbacks>i_execute	70	0.059 s	0.003 s	
slxPackager.deletePart	70	0.022 s	0.018 s	
TimeScopeBlock.load	70	0.067 s	0.021 s	
...Data.unregister(obj.Handle,lock_flag)	68	0.004 s	0.004 s	
sl_action_schema	68	0.003 s	0.003 s	
Legend.getPreferredSize	68	0.265 s	0.007 s	
Legend.getPreferredLocation	68	0.010 s	0.005 s	
...ponent>ListComponent.ListComponent	68	0.004 s	0.004 s	
...r>AxesLayoutManager.hasValidParent	68	0.008 s	0.008 s	
Legend.isStretchToFill	68	0.000 s	0.000 s	
legend>istextscalarvector	68	0.002 s	0.002 s	
Bar.Bar>Bar.get.WidthScaleFactor	67	0.004 s	0.003 s	
opaque.char	66	0.012 s	0.011 s	
...difierKeyListener.ModifierKeyListener	66	0.012 s	0.005 s	
...se>InteractionBase.InteractionBase	66	0.002 s	0.002 s	

KeyListener>KeyListener.KeyListener	66	0.002 s	0.002 s	
...istener>ModifierKeyListener.enable	66	0.010 s	0.002 s	
KeyListener>KeyListener.enable	66	0.009 s	0.009 s	
Legend.Legend>Legend.getGraphicsAxes	66	0.002 s	0.002 s	
BreachStatus>BreachStatus.copy	65	0.638 s	0.638 s	
CJSSupport>ilsJobVariant	65	0.003 s	0.003 s	
SLXPart>SLXPart.SLXPart	64	0.010 s	0.010 s	
parameterInfo	64	0.000 s	0.000 s	
Text.Text>Text.set.String	64	0.016 s	0.013 s	
Text.Text>@(h,e)hObj.MarkDirty('all')	64	0.003 s	0.003 s	
...dEntry>LegendEntry.set.PeerVisible	64	0.004 s	0.004 s	
...n.LegendIcon>LegendIcon.addGraphic	64	0.013 s	0.013 s	
data>strict_format	64	0.002 s	0.002 s	
workspacefunc>createComplexScalar	63	0.017 s	0.012 s	
getParamVal	62	0.007 s	0.006 s	
...artDefModelSlicerConfig>i_partname	62	0.000 s	0.000 s	
...r.partDefModelSlicerMap>i_partname	62	0.000 s	0.000 s	
...er.partDefLinksetConfig>i_partname	62	0.002 s	0.001 s	
getEmbeddedLinksetName	62	0.001 s	0.001 s	
getParamVal	62	0.009 s	0.002 s	
Legend.doUpdate	60	2.820 s	0.128 s	
uigettool	60	0.125 s	0.054 s	
Legend.addEntry	60	0.017 s	0.017 s	
Legend.doMethod>calculateXLocations	60	0.011 s	0.006 s	
Legend.initializePositionCache	60	0.011 s	0.009 s	
Legend.doMethod>layoutEntries	60	0.218 s	0.117 s	
Legend.doMethod>pushLegendPropsToLabels	60	0.152 s	0.081 s	
...ry.LegendEntry>LegendEntry.doSetup	60	0.159 s	0.031 s	
...ry.LegendEntry>LegendEntry.addIcon	60	0.014 s	0.004 s	
...y.LegendEntry>LegendEntry.addLabel	60	0.021 s	0.003 s	
...egendEntry>LegendEntry.set.Overlay	60	0.007 s	0.007 s	
...egendEntry>LegendEntry.LegendEntry	60	0.218 s	0.015 s	
...LegendEntry>LegendEntry.set.Legend	60	0.013 s	0.013 s	

...LegendEntry>LegendEntry.set.Object	60	0.031 s	0.028 s	
Bar.Bar>Bar.get.Edge	60	0.001 s	0.001 s	
Legend.doMethod>calculateYLocations	60	0.004 s	0.004 s	
...egend>Legend.get.InitPositionCache	60	0.001 s	0.001 s	
Legend.Legend>Legend.get.LineWidthMode	60	0.001 s	0.001 s	
Legend.Legend>Legend.get.PositionCache	60	0.001 s	0.001 s	
isUIContextMenuSupported	60	0.025 s	0.025 s	
isInvalidInLogScale>providerImpl	60	0.001 s	0.001 s	
...>slxPackager.getPartNameFromSuffix	58	0.004 s	0.003 s	
sl_customization>doMenuFilter	58	0.005 s	0.001 s	
mtree.pathhit	58	0.016 s	0.010 s	
mtree.restrict	58	0.032 s	0.016 s	
mtree.mtfind	58	0.036 s	0.005 s	
...RandStream>localGetSetGlobalStream	57	0.008 s	0.008 s	
Bar.Bar>Bar.get.CData_I	55	0.001 s	0.001 s	
Bar.Bar>Bar.get.FaceColor_I	54	0.001 s	0.001 s	
outputRange	54	0.000 s	0.000 s	
activeInputRange	54	0.000 s	0.000 s	
isScalar	54	0.000 s	0.000 s	
name	54	0.000 s	0.000 s	
type	54	0.000 s	0.000 s	
tansig	54	0.441 s	0.003 s	
...dStream>RandStream.getGlobalStream	54	0.006 s	0.001 s	
setListenerState	52	0.019 s	0.010 s	
matrix_data	52	0.006 s	0.005 s	
Legend.Legend>Legend.set.SPosition	52	0.001 s	0.001 s	
matrix_data>type_check	52	0.001 s	0.001 s	
CJSSupport>ilsTaskVariant	52	0.001 s	0.001 s	
kmeans>loopBody/batchUpdate	51	0.035 s	0.018 s	
close	51	0.006 s	0.003 s	
Linger>@(~,~)hObj.reparent()	51	0.079 s	0.002 s	
kmeans>loopBody	51	0.107 s	0.027 s	
RandStream.randi	51	0.003 s	0.003 s	

pickSmaller	51	0.002 s	0.002 s	
isSidString	51	0.002 s	0.002 s	
...eManagerHelper.InterfaceManagerHelper	50	0.009 s	0.009 s	
...>InterfaceManagerHelper.getSubmenu	50	0.004 s	0.004 s	
fgetl	49	0.012 s	0.012 s	
Bar.Bar>Bar.get.CData	49	0.004 s	0.003 s	
...nPane>AnnotationPane.setParentImpl	48	0.370 s	0.013 s	
...cribeLayer>ScribeLayer.ScribeLayer	48	0.009 s	0.008 s	
...:SignalSpecification.updatePortHandle	48	0.021 s	0.005 s	
num_scalar	48	0.005 s	0.005 s	
num_scalar>type_check	48	0.001 s	0.001 s	
...SignalSpecification.updatePortUUIDMap	48	0.010 s	0.010 s	
Bar.Bar>Bar.get.XOffset_l	48	0.001 s	0.001 s	
Bar.Bar>Bar.get.YOffset_l	48	0.001 s	0.001 s	
isplotyaxes	48	0.002 s	0.002 s	
network.gensim>signalMask	48	0.001 s	0.001 s	
slxPackager.registerHandler	46	0.005 s	0.003 s	
...artHandlerRegistrar.getGlobalInstance	46	0.001 s	0.001 s	
...ar>SLXPartHandlerRegistrar.isReady	46	0.001 s	0.001 s	
...t:SLXPartHandlerRegistrar.getHandlers	46	0.001 s	0.001 s	
...ockPath>BlockPath.replaceModelName	46	0.002 s	0.001 s	
...Path>BlockPath.getModelNameForPath	46	0.001 s	0.001 s	
ModelLoggingInfo.updateModelName	46	0.012 s	0.010 s	
SICovCC.ConfigComp.postLoadCallback	46	0.008 s	0.003 s	
getConfigSets	46	0.003 s	0.003 s	
doBlockReplacement	46	0.003 s	0.003 s	
...>InteractionEvent.InteractionEvent	44	0.001 s	0.001 s	
initlay	44	0.337 s	0.008 s	
...r>exploreaccessor.get.FigureHandle	44	0.003 s	0.001 s	
...widgets.spreadsheet.data.ValueSummary (Java method)	43	0.002 s	0.002 s	
...t:PreserveDirtyFlag.PreserveDirtyFlag	42	0.007 s	0.007 s	
...DirtyFlag>PreserveDirtyFlag.delete	42	0.004 s	0.004 s	

sldvsharecallback>close_results	42	0.002 s	0.002 s	
slxPackager.isPartDirty	42	0.003 s	0.003 s	
Bar.Bar>Bar.get.FaceColor	42	0.003 s	0.002 s	
Bar.Bar>Bar.get.Face	42	0.001 s	0.001 s	
Legend.Legend>Legend.get.PositionMode	42	0.001 s	0.001 s	
legend>find_legend	42	0.013 s	0.012 s	
fixViewerConnections	40	0.046 s	0.024 s	
getInstance	40	6.369 s	0.002 s	
utilCloseTuner	40	6.372 s	0.003 s	
...hworks.product.util.ProductIdentifier (Java method)	40	0.002 s	0.002 s	
slmsgviewer>slmsgviewer.publish	38	0.043 s	0.035 s	
...wer>slmsgviewer.PersistentInstance	38	0.002 s	0.002 s	
...ge_service.impl.MessageServiceJniPush (Java method)	38	0.005 s	0.005 s	
parseMaskDisplay>subfun_port_label	38	0.001 s	0.001 s	
...>@(obj,evd)(hObj.MarkDirty('all'))	38	0.002 s	0.002 s	
fullfile>replaceMultipleFileSeps	37	0.004 s	0.004 s	
isPathFrozen	37	0.012 s	0.004 s	
dctReplaceDriveWithUNCPath	37	0.002 s	0.001 s	
PathInfo>PathInfo.PathInfo	37	0.033 s	0.007 s	
...DrivePathMap.createMATLABDrivePathMap	37	0.011 s	0.004 s	
...MATLABDrivePathMap.MATLABDrivePathMap	37	0.012 s	0.002 s	
...gt:;(x)feature('DirectoryIsFrozen',x)	37	0.008 s	0.008 s	
distcompserialize (MEX-file)	37	0.014 s	0.014 s	
storageModeCache	37	0.013 s	0.010 s	
CJSSupport>CJSSupport.mapCJSProperties	37	0.011 s	0.010 s	
Bar.getLayoutHints	37	0.009 s	0.006 s	
Bar.Bar>Bar.doGetBaselineAxis	37	0.004 s	0.003 s	
Bar.getColorAlphaDataExtents	37	0.006 s	0.003 s	
CJSSupport>iSerializerStruct	37	0.005 s	0.002 s	
...gt:;FileStorage.getExtensionsForFields	37	0.006 s	0.006 s	
Legend.doMethod>syncEntries	36	0.025 s	0.014 s	
mtree.isnull	36	0.000 s	0.000 s	

Bar.Bar>Bar.get.BarWidth_I	36	0.001 s	0.001 s	
Legend.Legend>Legend.Legend	36	0.558 s	0.130 s	
pos_scalar	36	0.004 s	0.003 s	
pos_scalar>type_check	36	0.001 s	0.001 s	
parameterInfo	36	0.000 s	0.000 s	
network.subsasgn>getDefaultParam	36	0.468 s	0.010 s	
safeGather	36	0.007 s	0.003 s	
gather	36	0.004 s	0.004 s	
...end>Legend.setBoxFace_IFanoutProps	36	0.020 s	0.017 s	
...end>Legend.setBoxEdge_IFanoutProps	36	0.034 s	0.028 s	
...Legend.setTitleSeparator_IFanoutProps	36	0.030 s	0.026 s	
Legend.setupBoxEdge	36	0.067 s	0.059 s	
Legend.doMethod>createDefaultContextMenu	36	0.061 s	0.061 s	
Legend.doMethod>setButtonDownFcn	36	0.003 s	0.003 s	
Legend.doSetup	36	0.269 s	0.046 s	
Legend.Legend>Legend.set.DataSpace_I	36	0.008 s	0.007 s	
Legend.Legend>Legend.set.Camera_I	36	0.002 s	0.002 s	
...gend>Legend.setCamera_IFanoutProps	36	0.000 s	0.000 s	
...d>Legend.setDataSpace_IFanoutProps	36	0.000 s	0.000 s	
Legend.Legend>Legend.set.ColorSpace_I	36	0.008 s	0.007 s	
...>Legend.setColorSpace_IFanoutProps	36	0.000 s	0.000 s	
...Legend>Legend.set.EntryContainer_I	36	0.008 s	0.007 s	
...d>Legend.set.DecorationContainer_I	36	0.008 s	0.007 s	
Legend.Legend>Legend.set.CLim_I	36	0.004 s	0.004 s	
...Legend.setEntryContainer_IFanoutProps	36	0.000 s	0.000 s	
...d.setDecorationContainer_IFanoutProps	36	0.000 s	0.000 s	
Legend.Legend>Legend.set.BoxEdge_I	36	0.041 s	0.007 s	
Legend.Legend>Legend.set.BoxFace_I	36	0.028 s	0.008 s	
...egend>Legend.set.SelectionHandle_I	36	0.009 s	0.008 s	
...Legend>Legend.set.TitleSeparator_I	36	0.038 s	0.007 s	
...egend.setSelectionHandle_IFanoutProps	36	0.000 s	0.000 s	
...Legend>Legend.set.SelfListenerList	36	0.012 s	0.006 s	
...nd>Legend.set.SelfListenerListMode	36	0.004 s	0.004 s	

...nd>Legend.get.SelfListenerListMode	36	0.001 s	0.001 s	
...gend>Legend.set.SelfListenerList_I	36	0.001 s	0.001 s	
...>PlotEditBehavior.PlotEditBehavior	36	0.003 s	0.001 s	
...ehavior>PlotEditBehavior.dosupport	36	0.002 s	0.002 s	
...;Legend.set.PlotChildrenSpecifiedMode	36	0.004 s	0.003 s	
...;Legend.get.PlotChildrenSpecifiedMode	36	0.001 s	0.001 s	
...d>Legend.set.PlotChildrenSpecified	36	0.015 s	0.008 s	
uimodemanager.getMode	36	0.003 s	0.003 s	
statset>checkparam	36	0.003 s	0.003 s	
FileSerializer>FileSerializer.getFields	35	0.392 s	0.014 s	
CJSSupport>CJSSupport.getProperties	35	0.422 s	0.010 s	
...gt;FileSerializer.getRetryInformation	35	0.002 s	0.002 s	
stringToLegacyText	34	0.001 s	0.001 s	
...erifierObj>@0i_disconnect(blockH)	34	0.007 s	0.001 s	
...getDesignVerifierObj>i_disconnect	34	0.006 s	0.006 s	
slmsgviewer>slmsgviewer.removeTab	34	0.052 s	0.002 s	
slmsgviewer>slmsgviewer.remove	34	0.049 s	0.001 s	
slmsgviewer>slmsgviewer.notifyCloseTab	34	0.009 s	0.006 s	
...>PushMsgEventData.PushMsgEventData	34	0.002 s	0.002 s	
slmsgviewer>slmsgviewer.clearTabInfo	34	0.001 s	0.001 s	
Legend.Legend>Legend.setViewportPosition	34	0.015 s	0.015 s	
Legend.Legend>Legend.setPositionImpl	34	0.026 s	0.008 s	
...nager>AxesLayoutManager.getManager	34	0.145 s	0.014 s	
...Utils>FilenameUtils.isAbsolutePath	33	0.007 s	0.004 s	
...t;PathInfo.getSerializedClearPathInfo	33	0.058 s	0.009 s	
GetParam	33	0.010 s	0.005 s	
parseMaskDisplay	32	0.281 s	0.031 s	
...ink.BlockDiagram.getDesignVerifierObj	32	0.024 s	0.011 s	
...y>i_addBlockDiagramHistoryCallback	32	0.017 s	0.001 s	
...lxPackager>slxPackager.slxPackager	32	0.003 s	0.003 s	
...gt;ModelLoggingInfo.set.isSavingModel	32	0.007 s	0.004 s	
showInToolStrip	32	0.002 s	0.002 s	
Simulink.DVOutput.DVOutput	32	0.002 s	0.002 s	

...onSLDV>loc_createDesignVerifierObj	32	0.027 s	0.003 s	
...lAdvisor>ModelAdvisor.ModelAdvisor	32	0.005 s	0.002 s	
ModelAdvisor.initSchemaData	32	0.003 s	0.003 s	
Simulink.BlockDiagram.getModelAdvisorObj	32	0.013 s	0.008 s	
sl_customization>i_createModelAdvisorObj	32	0.015 s	0.003 s	
Simulink.Root.executePostCreateCallbacks	32	0.068 s	0.006 s	
info	32	0.017 s	0.015 s	
name	32	0.000 s	0.000 s	
type	32	0.000 s	0.000 s	
weight_fcn	32	0.005 s	0.005 s	
inputDerivType	32	0.000 s	0.000 s	
weightDerivType	32	0.000 s	0.000 s	
nnetParam>nnetParam.struct	32	0.001 s	0.001 s	
...teners>@(h,e)hObj.MarkDirty('all')	32	0.004 s	0.003 s	
Legend.Legend>Legend.set.PositionCache	32	0.001 s	0.001 s	
minmax	32	0.028 s	0.004 s	
minmax	32	0.013 s	0.013 s	
size	32	0.001 s	0.001 s	
dastudio/private/dig_get_menu	32	0.309 s	0.007 s	
legend>process_inputs	30	0.384 s	0.064 s	
legend	30	1.598 s	0.057 s	
slxPackager.partDefResources>i_load	30	0.033 s	0.002 s	
slxPackager.partDefLibraryBrowser>i_load	30	0.018 s	0.012 s	
...er.partDefModelSlicerConfig>i_load	30	0.014 s	0.002 s	
slxPackager.partDefModelSlicerMap>i_load	30	0.009 s	0.002 s	
slxPackager.partDefAUTOSAR>i_load	30	0.009 s	0.002 s	
...r>slxPackager.executeLoadCallbacks	30	0.408 s	0.006 s	
...HandlerRegistrar.executeLoadCallbacks	30	0.398 s	0.001 s	
slxPackager.partDefLinksetConfig>i_load	30	0.008 s	0.001 s	
...DefHmi>locCheckAndInitializeWebHMI	30	0.005 s	0.001 s	
slxPackager.partDefModelWorkspace>i_load	30	0.008 s	0.001 s	
slxPackager.partDefHmi>i_load	30	0.010 s	0.001 s	
slxPackager.partDefAUTOSAR>i_partname	30	0.000 s	0.000 s	

...r.partDefHmi>locLoadWebHMIForModel	30	0.008 s	0.001 s	
FileKeeper>FileKeeper.getWebHMIRelTarget	30	0.001 s	0.001 s	
...fModelWorkspace>i_matfile_partname	30	0.003 s	0.001 s	
SLXPartHandler>SLXPartHandler.doLoad	30	0.396 s	0.035 s	
parseMaskDisplay>subfun_patch	30	0.003 s	0.001 s	
mtree.strings	30	0.003 s	0.003 s	
Bar.Bar>Bar.get.BarWidth	30	0.002 s	0.001 s	
trainlm	30	109.403 s	0.011 s	I
cell_data	30	0.011 s	0.005 s	
legend>make_legend	30	1.524 s	0.045 s	
cell_data>type_check	30	0.006 s	0.006 s	
initnw	30	0.316 s	0.006 s	
Bar.Bar>Bar.get.XOffset	30	0.002 s	0.002 s	
Bar.Bar>Bar.get.YOffset	30	0.002 s	0.002 s	
legend>setDisplayNames	30	0.016 s	0.013 s	
getModelResourcesFiles	28	0.026 s	0.019 s	
BreachSet>BreachSet.SetDomain	28	0.013 s	0.008 s	
...ager>AxesLayoutManager.addToLayout	28	0.008 s	0.006 s	
check_arg_is_cell	28	0.001 s	0.001 s	
legendcolorbarlayout	28	0.330 s	0.005 s	
isactiveuimode	28	0.005 s	0.001 s	
CJSSupport>iCalculateChildSid	28	0.004 s	0.002 s	
...tcomp.distcompobjects.EntityFileProxy (java method)	28	0.001 s	0.001 s	
...he>TwoLevelCache.retrieveIfPresent	28	0.002 s	0.002 s	
formatData>iEnsureFull	28	0.001 s	0.001 s	
close_system	27	9.596 s	2.000 s	
statget	27	0.004 s	0.003 s	
mean	27	0.006 s	0.005 s	
mean>mysize	27	0.001 s	0.001 s	
parseMaskDisplay>subfun_plot	26	0.002 s	0.001 s	
mtree.Left	26	0.004 s	0.004 s	
layerWeight	26	0.244 s	0.011 s	

Legend.removeAllEntries	26	0.004 s	0.004 s	
initwb	26	0.006 s	0.004 s	
initlay>configure_layer_weight	26	0.020 s	0.003 s	
network.subsasgn>subs1	26	0.002 s	0.002 s	
...ayoutManager>addInstancePropToAxes	26	0.003 s	0.003 s	
...ayoutManager>setInstancePropOnAxes	26	0.003 s	0.003 s	
FileSerializer>@0fclose(fid)	25	0.003 s	0.003 s	
...arController>isAxesToolBarExcluded	25	0.005 s	0.005 s	
BreachSet>BreachSet.GetParam	25	0.009 s	0.003 s	
...tationPane>AnnotationPane.addChild	25	0.002 s	0.002 s	
...anager>AxesLayoutManager.addToTree	24	0.180 s	0.014 s	
Legend.doMethod>createEntries	24	0.456 s	0.046 s	
...ager.addAxesListeners/localReparentCB	24	0.013 s	0.013 s	
...>AxesLayoutManager.insertAboveAxes	24	0.078 s	0.053 s	
...t:ScribeStackManager.reparentChildren	24	0.077 s	0.041 s	
...Pane>AnnotationPane.AnnotationPane	24	0.405 s	0.014 s	
...t:ToolBarController.ToolbarController	24	0.034 s	0.030 s	
...t:ModelLoggingInfo.set.isLoadingModel	24	0.008 s	0.001 s	
slroot	24	0.002 s	0.002 s	
Simulink.DVOutput.getDisplayLabel	24	0.345 s	0.019 s	
Simulink.DVOutput.getDisplayIcon	24	0.000 s	0.000 s	
...ueuedDefaultInteractionInitialization	24	31.243 s	0.164 s	
...vasPlugin>CanvasPlugin.getInstance	24	0.001 s	0.001 s	
hasDisplay	24	0.001 s	0.001 s	
isFigureShowEnabled	24	0.000 s	0.000 s	
...asPlugin>CanvasPlugin.createCanvas	24	0.047 s	0.013 s	
Bar.Bar>Bar.get.NumPeers_l	24	0.001 s	0.001 s	
pos_int_scalar	24	0.005 s	0.004 s	
parameterInfo	24	0.363 s	0.004 s	
Legend.Legend>Legend.set.Axes_l	24	0.400 s	0.003 s	
Legend.Legend>Legend.setAxesImpl	24	0.396 s	0.008 s	
Legend.setParentImpl	24	0.005 s	0.003 s	
getLegendableChildren	24	0.086 s	0.011 s	

Legend.Legend>Legend.set.EdgeColor_l	24	0.008 s	0.008 s	
...r>AxesLayoutManager.ValidateObject	24	0.129 s	0.005 s	
...legend>Legend.set.InitPositionCache	24	0.001 s	0.001 s	
...er>ToolBarController.postUpdateFcn	24	0.023 s	0.016 s	
...r>localGetCanvasContainingAncestor	24	0.002 s	0.002 s	
...er>@(e,d)obj.postUpdateFcn(canvas)	24	0.024 s	0.001 s	
pos_int_scalar>type_check	24	0.001 s	0.001 s	
BreachSet>BreachSet.GetDomain	24	0.015 s	0.013 s	
BreachSet>BreachSet.CheckinDomain	24	0.011 s	0.002 s	
Bar.Bar>Bar.get.BarLayout	24	0.002 s	0.002 s	
Bar.Bar>Bar.get.BarLayout_l	24	0.001 s	0.001 s	
Legend.doPostSetup	24	0.003 s	0.002 s	
Legend.Legend>Legend.set.version	24	0.001 s	0.001 s	
legend>getLegendableChildren	24	0.088 s	0.001 s	
...Manager>AxesLayoutManager.set.Axes	24	0.041 s	0.001 s	
...gt;AxesLayoutManager.addAxesListeners	24	0.040 s	0.040 s	
...t;AxesLayoutManager.AxesLayoutManager	24	0.044 s	0.003 s	
...er>@(h,e)localReparentCB(h,e,hObj)	24	0.015 s	0.001 s	
legend>lcl_is2D	24	0.002 s	0.002 s	
Legend.Legend>Legend.set.AxesMode	24	0.003 s	0.002 s	
Legend.Legend>Legend.get.AxesMode	24	0.000 s	0.000 s	
Legend.Legend>Legend.set.Axes	24	0.406 s	0.003 s	
Legend.attachAxesListeners	24	0.057 s	0.023 s	
getuimode	24	0.047 s	0.001 s	
Bar.Bar>Bar.get.EdgeColor	24	0.002 s	0.001 s	
Bar.Bar>Bar.get.EdgeColor_l	24	0.000 s	0.000 s	
setPrimitiveColors	24	0.006 s	0.006 s	
States>States.fromName	24	0.006 s	0.004 s	
States>iStateMaps	24	0.002 s	0.002 s	
CJSSupport>CJSSupport.getTaskProperties	24	0.278 s	0.001 s	
CJSTask>CJSTask.hGetProperty	24	0.302 s	0.011 s	
...nager>ScribeStackManager.loadLayer	24	0.348 s	0.003 s	
...nager>ScribeStackManager.hasLayers	24	0.007 s	0.003 s	

...ger>ScribeStackManager.createLayer	24	0.339 s	0.195 s	
...otationPane>AnnotationPane.doSetup	24	0.019 s	0.018 s	
...ger>ScribeStackManager.getInstance	24	0.001 s	0.001 s	
zoom.zoom>zoom.get.Motion	24	0.002 s	0.001 s	
zoom.zoom>localGetStyle	24	0.001 s	0.001 s	
exploreaccessor>localGetEnable	24	0.007 s	0.002 s	
...ccessor>exploreaccessor.get.Enable	24	0.008 s	0.001 s	
output_sizes	24	0.002 s	0.002 s	
...>ToolbarController.doPostUpdateFcn	24	31.249 s	0.006 s	
...v>TopModelCov.closeResultsExplorer	23	0.501 s	0.490 s	
ResultsExplorer.close	23	0.011 s	0.011 s	
PositionUtils>changeUnitsScopeGuard	22	0.007 s	0.007 s	
...tils>@()set(h,unitsProp,origUnits)	22	0.002 s	0.002 s	
...ositionUtils.getDevicePixelScreenSize	22	0.014 s	0.004 s	
MenuBar	22	0.045 s	0.004 s	
sl_container_schema	22	0.002 s	0.002 s	
BreachStatus>BreachStatus.BreachStatus	22	0.004 s	0.004 s	
...rategy.DefaultAxesInteractionStrategy	22	0.002 s	0.001 s	
...teractionStrategy.InteractionStrategy	22	0.001 s	0.001 s	
...actions.createDefaultAxesInteractions	22	0.185 s	0.014 s	
Datatips>Datatips.Datatips	22	0.019 s	0.002 s	
...>SingleActionZoom.SingleActionZoom	22	0.002 s	0.001 s	
Pan3D>Pan3D.Pan3D	22	0.007 s	0.003 s	
...t;changeUnitsToDevicePixelsScopeGuard	22	0.007 s	0.000 s	
Datatips>Datatips.getDpiScale	22	0.016 s	0.002 s	
Datatips>Datatips.initializeBufferScale	22	0.017 s	0.001 s	
Datatips>Datatips.createLinger	22	0.060 s	0.005 s	
Linger>Linger.set.Target	22	0.041 s	0.001 s	
Linger>Linger.Linger	22	0.046 s	0.004 s	
Datatips>Datatips.enable	22	0.123 s	0.003 s	
ClickEvent>ClickEvent.ClickEvent	22	0.002 s	0.001 s	
ScrollEvent>ScrollEvent.ScrollEvent	22	0.002 s	0.001 s	
Datatips>Datatips.clickEvent	22	0.041 s	0.006 s	

ClickEvent>ClickEvent.enable	22	0.032 s	0.010 s	
Datatips>Datatips.attachListeners	22	0.060 s	0.020 s	
ScrollZoom>ScrollZoom.ScrollZoom	22	0.013 s	0.005 s	
ScrollEvent>ScrollEvent.enable	22	0.005 s	0.005 s	
ScrollZoom>ScrollZoom.set.strategy	22	0.001 s	0.001 s	
ScrollZoom>ScrollZoom.enable	22	0.002 s	0.002 s	
Drag>Drag.Drag	22	0.003 s	0.002 s	
DragSingleton>DragSingleton.getInstance	22	0.001 s	0.001 s	
Drag>Drag.enable	22	0.004 s	0.003 s	
Drag>Drag.delete_listeners	22	0.000 s	0.000 s	
...>InteractionsList.InteractionsList	22	0.001 s	0.001 s	
rands	22	0.004 s	0.003 s	
rands>new_value_from_rows_cols	22	0.002 s	0.002 s	
intmax	22	0.002 s	0.002 s	
layer_sizes	22	0.001 s	0.001 s	
...t>@(block)this.delete_block(block)	22	0.034 s	0.002 s	
DeleteContent>DeleteContent.delete_block	22	0.032 s	0.032 s	
...iewerhelper>isUnsignedIntegralType	21	0.001 s	0.001 s	
...InteractionsList.hasValidInteractions	21	0.002 s	0.002 s	
dctSchedulerMessage	21	0.006 s	0.004 s	
dctSchedulerMessage>iIsValidLogLevel	21	0.000 s	0.000 s	
distcomp/...e/dctSchedulerMessageHandler	21	0.001 s	0.001 s	
CJSSupport>@(fcn,val)fcn(val)	21	0.007 s	0.001 s	
imresize>isInputIndexed	21	0.000 s	0.000 s	
FileSerializer>iLoadState	20	0.009 s	0.006 s	
setsysloc_simulink	20	0.180 s	0.176 s	
isProductInstalled	20	0.018 s	0.011 s	
isProductInstalled>getProductNames	20	0.001 s	0.001 s	
newplotwrapper	20	0.041 s	0.003 s	
...nnet.diagram.network.nnNetworkDiagram (Java method)	20	0.002 s	0.002 s	
...fo>MenuToolbarInfo.MenuToolbarInfo	20	0.006 s	0.006 s	
Legend.Legend>Legend.get.LocationMode	20	0.000 s	0.000 s	

initwb>configure_layer_weight	20	0.001 s	0.001 s	
...nt>BreachRequirement.GetSignalList	20	0.040 s	0.004 s	
BreachSet>BreachSet.GetSignalSignature	20	0.447 s	0.034 s	
...ent>BreachRequirement.GetParamList	20	0.007 s	0.002 s	
BreachSet>BreachSet.GetParamSignature	20	0.148 s	0.023 s	
rfprintf_reset	20	0.001 s	0.001 s	
uimode.setCallbackFcn	20	0.001 s	0.001 s	
uitools/private/prefutils	20	0.107 s	0.005 s	
nsize	20	0.003 s	0.003 s	
logStack>nLog	19	0.004 s	0.001 s	
CJSJobMixin>CJSJobMixin.hGetSupportID	19	0.001 s	0.001 s	
datenum	18	0.005 s	0.004 s	
BreachSystem>BreachSystem.BreachSystem	18	0.395 s	0.009 s	
...onSimulinkHistory>i_checkBeforeAdd	18	0.010 s	0.003 s	
computeBars	18	0.009 s	0.003 s	
exclude>exclude.get	18	0.002 s	0.001 s	
exclude>exclude.hasDataRegistered	18	0.001 s	0.001 s	
bdHasExternalData	18	0.003 s	0.002 s	
...artDefLibraryBrowser>i_xmlpartname	18	0.001 s	0.001 s	
...partDefLibraryBrowser>i_partprefix	18	0.000 s	0.000 s	
mtree.mtree>mtree.mtree	18	0.033 s	0.029 s	
mtree.mtree>validateInput	18	0.001 s	0.001 s	
mtree.wholetree	18	0.002 s	0.002 s	
parseMaskDisplay>parseDisplayString	18	0.171 s	0.119 s	
...kDisplay>i_GetFunctionalDependency	18	0.021 s	0.003 s	
...skDisplay>i_GetWorkspaceDependency	18	0.008 s	0.002 s	
BreachSet>BreachSet.BreachSet	18	0.009 s	0.006 s	
Bar.Bar>Bar.get.NumPeers	18	0.001 s	0.001 s	
name	18	0.000 s	0.000 s	
type	18	0.000 s	0.000 s	
outputRange	18	0.001 s	0.001 s	
activeInputRange	18	0.001 s	0.001 s	
isScalar	18	0.000 s	0.000 s	

purelin	18	0.161 s	0.002 s	
initnw>initialize_layer	18	0.291 s	0.028 s	
nntraintool>stringCellArray2JavaArray	18	0.025 s	0.006 s	
Bar.getSingleBarExtentsArray	18	0.019 s	0.011 s	
Bar.getXYZDataExtents	18	0.066 s	0.007 s	
Bar.computeLayout	18	0.025 s	0.007 s	
Bar.computeLayout>localUpdateBarOffsets	18	0.007 s	0.005 s	
...leBarExtentsArray>applyConstraints	18	0.002 s	0.002 s	
...eArgumentDescriptor>isCharOrString	18	0.001 s	0.001 s	
statset	18	0.019 s	0.016 s	
getSpatialTransforms	17	0.010 s	0.010 s	
+internal/private/combineTransforms	17	0.009 s	0.006 s	
...ombineTransforms>getCameraViewport	17	0.003 s	0.003 s	
now	16	0.006 s	0.001 s	
slxPackager.save	16	4.849 s	0.012 s	
...>SlicerConfiguration.mdl2SCMapFile	16	0.004 s	0.001 s	
slxPackager.partDefViewMarker>i_save	16	0.296 s	0.290 s	
slxPackager.partDefResources>i_save	16	0.048 s	0.004 s	
...kHistory>i_PostSaveHistoryCallback	16	0.015 s	0.006 s	
...:ConfigSetListenerManager.getInstance	16	0.002 s	0.002 s	
MainManager.getInstance	16	0.003 s	0.003 s	
slxPackager.partDefIoLib>i_isIoLibrary	16	0.001 s	0.000 s	
slxPackager.partDefLibraryBrowser>i_save	16	0.001 s	0.001 s	
zoom>locGetMode	16	0.269 s	0.017 s	
...er.partDefModelSlicerConfig>i_save	16	1.234 s	0.935 s	
slxPackager.partDefModelSlicerMap>i_save	16	0.564 s	0.545 s	
slxPackager.partDefAUTOSAR>i_save	16	0.276 s	0.002 s	
...r>slxPackager.executeSaveCallbacks	16	4.835 s	0.001 s	
...HandlerRegistrar.executeSaveCallbacks	16	4.833 s	0.001 s	
...cerConfig>get_modelslicer_partinfo	16	0.004 s	0.001 s	
slxPackager.partDefDerivedSignals>i_save	16	0.017 s	0.006 s	
slxPackager.findParts	16	0.016 s	0.011 s	
slxPackager.partDefThumbnail>i_save	16	0.781 s	0.112 s	

...rtDefModelAdvisorExclusions>i_save	16	0.623 s	0.321 s	
slxPackager.partDefLinksetConfig>i_save	16	0.514 s	0.273 s	
...SlicerMap>get_modelslicer_partinfo	16	0.003 s	0.001 s	
...LinksetConfig>get_linkset_partinfo	16	0.004 s	0.001 s	
slxPackager.partDefThumbnail>i_partinfo	16	0.001 s	0.001 s	
slxPackager.partDefModelWorkspace>i_save	16	0.011 s	0.004 s	
...visorExclusions>i_advisor_partinfo	16	0.006 s	0.001 s	
...fModelAdvisorExclusions>i_partname	16	0.000 s	0.000 s	
...partDefModelAdvisorExclusions>i_id	16	0.000 s	0.000 s	
SlicerConfiguration.configurationMapper	16	0.006 s	0.006 s	
...ager.partDefModelSlicerConfig>i_id	16	0.000 s	0.000 s	
modelslicerprivate	16	0.007 s	0.003 s	
slicer/private/sliceMdlMapperObj	16	0.005 s	0.005 s	
slxPackager.partDefModelSlicerMap>i_id	16	0.000 s	0.000 s	
...partDefModelSlicerMap>isOwnerModel	16	0.002 s	0.001 s	
...rtDefModelSlicerMap>isHarnessModel	16	0.001 s	0.001 s	
slxPackager.partDefLinksetConfig>i_id	16	0.000 s	0.000 s	
isSupportPackageInstalled	16	0.273 s	0.273 s	
slxPackager.partDefHarnessInfo>i_save	16	0.004 s	0.001 s	
slxPackager.partDefHmi>i_save	16	0.005 s	0.005 s	
slxPackager.partDefIoLib>i_save	16	0.001 s	0.000 s	
varargin2struct	16	0.010 s	0.009 s	
SLXPartHandler>SLXPartHandler.doSave	16	4.832 s	0.024 s	
ver>locParseLineFromFile	16	0.007 s	0.002 s	
xlabel	16	0.158 s	0.076 s	
parameterInfo	16	0.124 s	0.001 s	
getParamStructFromArgs	16	0.186 s	0.005 s	
layer	16	0.417 s	0.009 s	
layer>iConfigurePreceedingLayerWeights	16	0.176 s	0.003 s	
mapminmax	16	0.488 s	0.010 s	
Legend.Legend>Legend.set.FontSizeMode	16	0.002 s	0.002 s	
Legend.Legend>Legend.set.FontSize	16	0.005 s	0.003 s	
findAllVisibleDataObjectPrimitives	16	0.024 s	0.016 s	

convertVertexCoordsToViewerCoords	16	0.026 s	0.004 s	
transformWorldToViewer	16	0.016 s	0.004 s	
transformWorldToViewer>applyTransform	16	0.006 s	0.006 s	
...ate/labelcheck>local_validlabelobj	16	0.083 s	0.069 s	
layer>iConfigureFollowingLayerWeights	16	0.098 s	0.002 s	
layer>iConfigureOutput	16	0.001 s	0.001 s	
layer>iConfigureNetworkTopologyValues	16	0.001 s	0.001 s	
layer>iConfigureBias	16	0.002 s	0.002 s	
layer>iConfigurePreceedingInputWeights	16	0.001 s	0.001 s	
...es>timeseries.utcreatewithoutcheck	16	0.007 s	0.003 s	
...ata>timemetadata.setnonuniformtime	16	0.001 s	0.001 s	
Legend.Legend>Legend.set.FontSize_l	16	0.000 s	0.000 s	
uimode.uimode>uimode.isLiveEditorFigure	16	0.002 s	0.002 s	
...taCursorManager.initializeFigureState	16	0.006 s	0.006 s	
isdatetime	16	0.001 s	0.001 s	
...sToolbar>AxesToolbar.getParentImpl	16	0.002 s	0.002 s	
zoom.zoom>zoom.get.Direction	16	0.001 s	0.001 s	
zoom.zoom>localGetDirection	16	0.001 s	0.001 s	
zoom.zoom>zoom.get.RightClickAction	16	0.001 s	0.001 s	
zoom.zoom>localGetRightClickZoomOut	16	0.001 s	0.001 s	
zoom.zoom>zoom.get.UIContextMenu	16	0.001 s	0.001 s	
zoom.zoom>localGetContextMenu	16	0.001 s	0.001 s	
...:exploreaccessor.get.ButtonDownFilter	16	0.001 s	0.000 s	
...exploreaccessor.get.ActionPreCallback	16	0.001 s	0.000 s	
...xploreaccessor.get.ActionPostCallback	16	0.001 s	0.000 s	
layer_order	16	0.008 s	0.008 s	
argPairs2Struct	16	0.002 s	0.002 s	
workspacefunc>createComplexVector	15	0.012 s	0.007 s	
isComponentHarness	15	0.001 s	0.001 s	
discard	15	0.012 s	0.002 s	
duplicateDisabled	15	0.004 s	0.001 s	
duplicateDisabled>isFromLibrary	15	0.003 s	0.003 s	
isInstalled	15	0.001 s	0.001 s	

isduration	15	0.000 s	0.000 s	
...urces>@()getModelResourcesFiles(h)	14	0.014 s	0.001 s	
vnm_assert_mgr>create_mdl_info	14	0.001 s	0.001 s	
Token.Token>Token.get	14	0.002 s	0.002 s	
Token.Token>Token.getTestComponent	14	0.000 s	0.000 s	
...fModelWorkspace>i_matfile_partinfo	14	0.003 s	0.002 s	
...ger.partDefModelWorkspace>i_delete	14	0.006 s	0.001 s	
SLXPart>SLXPart.get.name	14	0.001 s	0.001 s	
java.util.UUID (Java method)	14	0.001 s	0.001 s	
ylabel	14	0.068 s	0.035 s	
...ager>@(o,e)subplotlayout(ax,e,fig)	14	4.084 s	3.175 s	
BreachParam>BreachParam.BreachParam	14	0.001 s	0.001 s	
BreachSet>BreachSet.GetNbParamVectors	14	0.001 s	0.001 s	
hgaddbehavior>localAddBehavior	14	0.004 s	0.003 s	
stringToChar>@(x)convertToChar(x)	14	0.002 s	0.001 s	
stringToChar>convertToChar	14	0.001 s	0.001 s	
contributions	14	0.006 s	0.004 s	
cubic	14	0.002 s	0.002 s	
isPureNearestNeighborComputation	14	0.001 s	0.001 s	
hgaddbehavior	14	0.006 s	0.002 s	
input_sizes	14	0.001 s	0.001 s	
getModelHandle	14	0.002 s	0.001 s	
getModelName	14	0.002 s	0.002 s	
getSettingsRoot	14	0.002 s	0.002 s	
allBlockDiagrams	13	0.003 s	0.003 s	
BreachSet>BreachSet.GetBoundedDomains	13	0.005 s	0.004 s	
...leDataObjectPrimitives>isPrimitive	12	0.004 s	0.003 s	
init	12	0.379 s	0.004 s	
isHarnessBDPostLoad	12	0.001 s	0.001 s	
modelHasEmbeddedReqInfo	12	0.007 s	0.002 s	
isStateflowLoaded	12	0.004 s	0.004 s	
sfHasReqInfo	12	0.001 s	0.001 s	
sf (MEX-file)	12	0.001 s	0.001 s	

MainManager.exists	12	0.003 s	0.001 s	
vnn_assert_mgr>mdl_post_load_sigb	12	0.008 s	0.003 s	
vnn_assert_mgr>mdl_post_load	12	0.001 s	0.001 s	
slcoverage_callback>refreshInformer	12	0.046 s	0.046 s	
...ager.DataCursorManager>findAllTips	12	0.067 s	0.004 s	
CreateExternSystem	12	0.008 s	0.008 s	
isStateTransitionTable	12	0.001 s	0.001 s	
BreachSystem>BreachSystem.AddSpec	12	0.280 s	0.022 s	
getConfigSet	12	0.001 s	0.001 s	
SEvalProp	12	32.118 s	0.094 s	
Bar.Bar>Bar.set.FaceColorMode	12	0.002 s	0.002 s	
Bar.Bar>Bar.get.FaceColorMode	12	0.000 s	0.000 s	
Bar.Bar>Bar.set.FaceColor	12	0.006 s	0.003 s	
Bar.Bar>Bar.set.FaceColor_l	12	0.000 s	0.000 s	
signal_gen>signal_gen.signal_gen	12	0.001 s	0.001 s	
BreachSet>BreachSet.SetParamSpec	12	0.035 s	0.012 s	
bool_scalar	12	0.003 s	0.003 s	
info	12	0.321 s	0.011 s	
processing_fcn	12	0.003 s	0.003 s	
process_fcn	12	0.439 s	0.005 s	
removeconstantrows	12	0.192 s	0.007 s	
apply	12	0.012 s	0.012 s	
status	12	0.002 s	0.002 s	
legend>find_legend_info	12	0.005 s	0.002 s	
Legend.doDelete	12	0.002 s	0.001 s	
Bar.doUpdate	12	0.070 s	0.033 s	
...ibleDataObjectPrimitives>isVisible	12	0.004 s	0.004 s	
...ager>@(~,~)(hObj.MarkDirty('all'))	12	0.001 s	0.001 s	
Legend.Legend>Legend.set.LocationMode	12	0.003 s	0.002 s	
bool_scalar>type_check	12	0.001 s	0.001 s	
pos_int_scalar>strict_format	12	0.000 s	0.000 s	
learn_gdm	12	0.004 s	0.004 s	
initnw>calcnw	12	0.019 s	0.009 s	

BreachSystem>BreachSystem.CheckSpec	12	32.417 s	0.018 s	
Bar.Bar>Bar.get.Clipping_I	12	0.000 s	0.000 s	
Bar.calculateBarRectangleData	12	0.009 s	0.006 s	
Bar.createBarVertexData	12	0.003 s	0.003 s	
...t;Legend.setPlotChildrenSpecifiedImpl	12	0.003 s	0.003 s	
Legend.doMethod>@(h,e)delete(uic)	12	0.002 s	0.002 s	
Legend.doSetup>@(h,e)hObj.doDelete	12	0.003 s	0.001 s	
validateBarRectangleData	12	0.007 s	0.005 s	
legend>setOutArgs	12	0.007 s	0.002 s	
parseCData	12	0.002 s	0.002 s	
Bar.Bar>Bar.get.FaceAlpha	12	0.001 s	0.001 s	
Bar.Bar>Bar.get.FaceAlpha_I	12	0.000 s	0.000 s	
Bar.Bar>Bar.get.EdgeAlpha	12	0.001 s	0.001 s	
Bar.Bar>Bar.get.EdgeAlpha_I	12	0.000 s	0.000 s	
Bar.Bar>Bar.set.BarOrder	12	0.000 s	0.000 s	
Bar.Bar>Bar.get.BrushHandles	12	0.001 s	0.001 s	
Bar.Bar>Bar.get.SelectionHandle	12	0.000 s	0.000 s	
Bar.Bar>Bar.set.PrepareWasAlreadyRun	12	0.000 s	0.000 s	
FileSerializer>iLoadMat	12	0.283 s	0.283 s	
...toolbox.distcomp.local.LocalScheduler (Java method)	12	0.001 s	0.001 s	
datetime.datetime>datetime isempty	12	0.001 s	0.001 s	
...>ToolbarController.getCanvasFigure	12	0.001 s	0.001 s	
com.mathworks.timer.TimerTask (Java method)	12	0.001 s	0.001 s	
removeAxesFromGrid	12	0.030 s	0.013 s	
...(h,e)localAxesUnitsPreSetCB(hObj,h,e)	12	0.001 s	0.001 s	
...dAxesListeners/localAxesUnitsPreSetCB	12	0.000 s	0.000 s	
...h,e)localAxesUnitsPostSetCB(hObj,h,e)	12	0.001 s	0.001 s	
...AxesListeners/localAxesUnitsPostSetCB	12	0.001 s	0.001 s	
SEvalProp>find_prop	12	0.003 s	0.003 s	
mat2cell	12	0.017 s	0.017 s	
forward_layer_delays>delays_to_layer	12	0.004 s	0.004 s	
findType>iTraverse	12	0.005 s	0.004 s	

tempname	11	0.018 s	0.006 s	
ops/private/uniquelegacy	11	0.007 s	0.007 s	
grp2idx	11	0.029 s	0.004 s	
opaque.toChar	11	0.002 s	0.001 s	
...t:ToolBarController.handleMouseMotion	11	0.519 s	0.016 s	
CJSJobMixin>CJSJobMixin.hGetProperty	11	0.149 s	0.003 s	
CJSSupport>CJSSupport.getJobProperties	11	0.146 s	0.001 s	
...r>ToolBarController.isPlotEditMode	11	0.003 s	0.003 s	
...r>ToolBarController.canShowToolBar	11	0.002 s	0.002 s	
...oller>ToolBarController.getHitAxes	11	0.003 s	0.003 s	
grp2idx>toString	11	0.011 s	0.008 s	
intmin	11	0.001 s	0.001 s	
...t:StorageMapper.getDefaultStorageName	10	0.003 s	0.003 s	
loadLinkSet	10	0.358 s	0.341 s	
cgxe/private/get_cgxe_proj	10	0.042 s	0.003 s	
...er.StorageMapper>StorageMapper.get	10	0.001 s	0.001 s	
getLinkFilePath	10	0.011 s	0.004 s	
BreachSet>BreachSet.expand_signal_name	10	0.275 s	0.005 s	
BreachSet>BreachSet.expand_param_name	10	0.092 s	0.005 s	
...geMapper>StorageMapper.getInstance	10	0.001 s	0.001 s	
...Mapper>StorageMapper.getStorageFor	10	0.005 s	0.001 s	
loadIfExists	10	0.359 s	0.001 s	
...System>SelectionSystem.onDocOpened	10	0.002 s	0.000 s	
...System>SelectionSystem.attachToDoc	10	0.001 s	0.001 s	
...nSystem>@(doc)obj.onDocOpened(doc)	10	0.003 s	0.001 s	
cgxe/private/get_cgxe_proj_root	10	0.036 s	0.001 s	
isTruthTable	10	0.001 s	0.001 s	
parseMaskDisplay>subfun_fprintf	10	0.001 s	0.000 s	
normr	10	0.005 s	0.004 s	
randnr>new_value_from_rows_cols	10	0.008 s	0.001 s	
randnr	10	0.010 s	0.002 s	
BreachSet>BreachSet.ResetParamSet	10	0.045 s	0.011 s	
BreachSet>BreachSet.GetVariables	10	0.013 s	0.004 s	

BreachSet>BreachSet.GetSignature	10	0.656 s	0.007 s	
legend>validateLegendable	10	0.002 s	0.002 s	
States>States.isTerminal	10	0.001 s	0.001 s	
...r>@(e,d)obj.handleMouseMotion(e,d)	10	0.519 s	0.001 s	
network.train>vararginOrDefault	10	0.001 s	0.001 s	
findType>iCellArray	10	0.003 s	0.003 s	
ver>locGetMatlabToolboxLocation	10	0.001 s	0.001 s	
isCurrentSimMode	10	0.002 s	0.001 s	
processParallelAndStreamOptions	9	0.024 s	0.004 s	
BreachSet>BreachSet.SetParamRanges	9	0.014 s	0.007 s	
BreachDomain>BreachDomain.sample_rand	9	0.002 s	0.002 s	
datetime.datetime>datetime.cat	9	0.015 s	0.008 s	
datetime.isequalUtil	9	0.006 s	0.006 s	
...x.distcomp.local.ConcurrentJobCommand (Java method)	9	0.001 s	0.001 s	
java.util.HashMap\$KeyIterator (Java method)	9	0.000 s	0.000 s	
FadeTimer>FadeTimer.isvalidTimer	9	0.001 s	0.001 s	
...t;ToolBarController.handleMouseExited	9	0.025 s	0.002 s	
...r>@(e,d)obj.handleMouseExited(e,d)	9	0.025 s	0.001 s	
kmeans	9	0.199 s	0.026 s	
isScalarInt	9	0.002 s	0.001 s	
isIntegerVals	9	0.001 s	0.001 s	
isScalarInt	9	0.003 s	0.001 s	
extractParallelAndStreamFields	9	0.005 s	0.002 s	
...ptions>parforValidateStreamOptions	9	0.001 s	0.001 s	
smartForReduce	9	0.120 s	0.007 s	
iscompatibleRNGscheme	9	0.001 s	0.001 s	
unpackRNGscheme	9	0.001 s	0.001 s	
processReductionVariableArgument	9	0.001 s	0.001 s	
reconcileStreamsAfterLoop	9	0.001 s	0.001 s	
workspacefunc	8	0.214 s	0.044 s	
datestr	8	0.045 s	0.005 s	
timefun/private/formatdate	8	0.037 s	0.019 s	

ver>@()fclose(fid)	8	0.000 s	0.000 s	
...ge>FileStorage.getMetadataFilename	8	0.002 s	0.002 s	
simulink/private/notify_save	8	0.242 s	0.238 s	
cell.unique>localcat	8	0.001 s	0.001 s	
...lGen>BreachSignalGen.InitSignalGen	8	0.038 s	0.020 s	
...t>BreachRequirement.get_signals_in	8	0.083 s	0.012 s	
save	8	0.001 s	0.001 s	
uimode.createuimode	8	0.039 s	0.025 s	
netCheck	8	0.018 s	0.010 s	
...r>Resolver.internalResolveToHandle	8	0.003 s	0.002 s	
Resolver>Resolver.resolveToHandle	8	0.008 s	0.004 s	
com.mathworks.util.FileSystemNotifier (Java method)	8	0.004 s	0.004 s	
...en>BreachSignalGen.BreachSignalGen	8	0.228 s	0.004 s	
...hProblem>BreachProblem.ExportBrSet	8	23.599 s	0.010 s	
cnv2icudf	8	0.010 s	0.010 s	
timefun/private/dateformverify	8	0.039 s	0.002 s	
...ystem>BreachOpenSystem.SetInputGen	8	0.125 s	0.052 s	
getIconForLinePlots	8	0.008 s	0.007 s	
Stair.Stair>Stair.get.LineWidth	8	0.001 s	0.001 s	
string>strict_format	8	0.000 s	0.000 s	
param>do_test	8	0.129 s	0.018 s	
processInputs	8	0.000 s	0.000 s	
processOutputs	8	0.000 s	0.000 s	
name	8	0.000 s	0.000 s	
type	8	0.000 s	0.000 s	
create	8	0.015 s	0.010 s	
apply	8	0.002 s	0.002 s	
create	8	0.023 s	0.014 s	
dividerand	8	0.011 s	0.005 s	
ends	8	0.002 s	0.002 s	
...er>FeedbackHandler.FeedbackHandler	8	0.001 s	0.001 s	
FeedbackHandler>FeedbackHandler.start	8	5.371 s	0.007 s	

param	8	0.045 s	0.001 s	
...>@(p)feval(p,'data_suitable',data)	8	0.008 s	0.001 s	
nntraintool>@(p)feval(p,'name')	8	0.003 s	0.001 s	
Legend.Legend>Legend.setLocationImpl	8	0.010 s	0.004 s	
Legend.Legend>Legend.set.Location_I	8	0.011 s	0.002 s	
Stair.getLegendGraphic	8	0.009 s	0.001 s	
filter2	8	0.007 s	0.006 s	
rot90	8	0.001 s	0.001 s	
Legend.Legend>Legend.set.PositionMode	8	0.001 s	0.001 s	
Legend.doUpdate>setPositionInLegendUnits	8	0.010 s	0.002 s	
zoom	8	0.316 s	0.007 s	
Legend.Legend>Legend.set.Location	8	0.015 s	0.002 s	
LinkProp.processUpdate	8	0.009 s	0.008 s	
@network/private/isbool	8	0.002 s	0.002 s	
extract_param	8	0.006 s	0.006 s	
...gt;BreachOpenSystem.GetPlantParamList	8	0.016 s	0.003 s	
BreachSet>BreachSet.GetPropParamList	8	0.001 s	0.001 s	
...ent>BreachRequirement.GetStatement	8	0.013 s	0.012 s	
...Plot>BreachSamplesPlot.update_data	8	0.047 s	0.047 s	
axis	8	0.017 s	0.007 s	
validateAxes	8	0.008 s	0.004 s	
...anager>uimodemanager.uimodemanager	8	0.031 s	0.015 s	
...leModeManagerCreation(d.Instance,fig)	8	0.004 s	0.002 s	
...rController.handleModeManagerCreation	8	0.002 s	0.002 s	
hasuimode	8	0.004 s	0.001 s	
uimode	8	0.049 s	0.005 s	
datacursormode>localGetMode	8	0.153 s	0.009 s	
uimode.uimode>uimode.uimode	8	0.000 s	0.000 s	
com.mathworks.hg.peer.HG2FigurePeer (Java method)	8	0.001 s	0.001 s	
uimodemanager.registerMode	8	0.001 s	0.001 s	
...Manager>DataCursorManager.setState	8	0.005 s	0.003 s	
...t;DataCursorManager.set.UIContextMenu	8	0.003 s	0.003 s	

...e>uimode.set.WindowButtonMotionFcn	8	0.003 s	0.001 s	
uimode.uimode>setMotionFcn	8	0.002 s	0.002 s	
...ode>uimode.set.WindowButtonDownFcn	8	0.002 s	0.001 s	
uimode.uimode>uimode.set.KeyPressFcn	8	0.001 s	0.001 s	
datacursormode	8	4.398 s	0.006 s	
datacursormode>localGetObj	8	0.001 s	0.001 s	
validatestring	8	0.007 s	0.003 s	
validatestring>checkInputs	8	0.001 s	0.001 s	
validatestring>checkString	8	0.002 s	0.002 s	
FileStorage>FileStorage.get.Extensions	8	0.001 s	0.001 s	
datetime.datetime>datetime.vertcat	8	0.012 s	0.002 s	
...Group.doTransformTrueColorToTrueColor	8	0.006 s	0.003 s	
FadeGroup>FadeGroup.getParentColorSpace	8	0.001 s	0.001 s	
FadeGroup>blendTrueColorData	8	0.002 s	0.002 s	
...tenersManager.SubplotListenersManager	8	0.001 s	0.001 s	
removeFromListeners	8	0.011 s	0.003 s	
...tListenersManager.removeFromListeners	8	0.007 s	0.007 s	
parseArgs	8	0.001 s	0.001 s	
...private/prefutils>getFieldOptional	8	0.002 s	0.002 s	
...private/prefutils>truncToMaxLength	8	0.000 s	0.000 s	
zoom>locGetObj	8	0.030 s	0.005 s	
vectorizePlotyyAxes	8	0.001 s	0.001 s	
...or>exploreaccessor.exploreaccessor	8	0.013 s	0.005 s	
zoom.zoom>zoom.zoom	8	0.019 s	0.006 s	
...rgin)hLink.processUpdate(varargin{:})	8	0.009 s	0.001 s	
nnetParam>nnetParam.subsref	8	0.001 s	0.001 s	
nnMex	8	0.006 s	0.005 s	
netFcns	8	0.001 s	0.001 s	
defaultMode	8	0.030 s	0.002 s	
axis>allAxes	8	0.003 s	0.003 s	
axis>LocSetTight	8	0.006 s	0.006 s	
...age>FileStorage.getEntityLocations	7	0.013 s	0.004 s	
...ileStorage.getEntityNamesFromLocation	7	0.009 s	0.008 s	

...leStorage.getConstructorsFromMetadata	7	0.116 s	0.109 s	
CJSSupport>CJSSupport.getChildren	7	0.153 s	0.012 s	
Button.doUpdate	7	0.013 s	0.009 s	
IconView>IconView.getTrueColorData	7	0.044 s	0.007 s	
AxesToolbar.isEnabledForAxes	7	0.015 s	0.011 s	
CJSJobMixin>CJSJobMixin.getTasks	7	0.161 s	0.001 s	
FileStorage>FileStorage.findProxies	7	0.133 s	0.004 s	
...(x,yf:},emptyTaskList,variantToForce)	7	0.155 s	0.001 s	
CJSSupport>CJSSupport.getTasks	7	0.160 s	0.005 s	
IconView>IconView.set.BackgroundColor	7	0.006 s	0.002 s	
IconView>IconView.setDPIScale	7	0.002 s	0.001 s	
mltimerpackage	7	0.017 s	0.016 s	
...arButton>AxesToolbarButton.unhover	7	0.001 s	0.001 s	
...tton>AxesToolbarButton.hideToolTip	7	0.001 s	0.001 s	
AxesToolbar.getBehaviorName	7	0.003 s	0.003 s	
rgb2gray	7	0.003 s	0.002 s	
rgb2gray>parse_inputs	7	0.001 s	0.001 s	
...AxesToolbarButton.set.BackgroundColor	7	0.010 s	0.004 s	
ButtonImage.doUpdate	7	0.063 s	0.008 s	
...ttonImage>ButtonImage.getImageData	7	0.053 s	0.004 s	
...onImage>ButtonImage.getImageRatios	7	0.001 s	0.001 s	
ind2rgb	7	0.003 s	0.003 s	
stringToChar	7	0.003 s	0.001 s	
imresize	7	0.035 s	0.007 s	
imresize>parseInputs	7	0.015 s	0.004 s	
imresize>findMethodArg	7	0.001 s	0.001 s	
findFirstParamString	7	0.001 s	0.001 s	
imresize>parsePreMethodArgs	7	0.003 s	0.002 s	
imresize>scaleOrSize	7	0.001 s	0.001 s	
imresize>warnIfPostMethodArgs	7	0.001 s	0.001 s	
imresize>parseParamValuePairs	7	0.000 s	0.000 s	
imresize>fixupSizeAndScale	7	0.004 s	0.002 s	
imresize>fixupSize	7	0.001 s	0.001 s	

deriveScaleFromSize	7	0.001 s	0.001 s	
imresize>checkForMissingOutputArgument	7	0.001 s	0.001 s	
imresize>preprocessImage	7	0.001 s	0.001 s	
imresize>postprocessImage	7	0.001 s	0.000 s	
dimensionOrder	7	0.000 s	0.000 s	
resizeAllDimUsingNearestNeighbor	7	0.001 s	0.001 s	
IconView>IconView.loadImage	7	0.045 s	0.001 s	
...ButtonImage>ButtonImage.applyAlpha	7	0.002 s	0.002 s	
...C,'EmptyAction','singleton','rep',5))	7	0.171 s	0.001 s	
...Criterion>ClusterCriterion.evalFun	7	0.173 s	0.003 s	
grp2idx	7	0.028 s	0.002 s	
silhouette	7	0.062 s	0.024 s	
removenan	7	0.005 s	0.002 s	
removenan	7	0.004 s	0.004 s	
stats/private/statremovenan	7	0.007 s	0.002 s	
stats/private/statinsertnan	7	0.002 s	0.002 s	
insertnan	7	0.001 s	0.001 s	
...chSimulinkSystem.BreachSimulinkSystem	6	34.057 s	0.316 s	
optimset	6	0.013 s	0.010 s	
BreachGetModelsDataPath	6	0.110 s	0.002 s	
...Plot>BreachSignalsPlot.plot_signal	6	0.560 s	0.325 s	
linkaxes	6	4.371 s	1.905 s	
imagesci/private/readpngutil	6	0.009 s	0.002 s	
...BreachSignalsPlot.AddAxesContextMenu	6	0.464 s	0.109 s	
...ot>BreachSignalsPlot.update_legend	6	0.316 s	0.006 s	
...sListeners/localAxesPositionPostSetCB	6	0.001 s	0.001 s	
imread>parse_inputs	6	0.002 s	0.002 s	
datetime.datetime>datetime.datetime	6	0.061 s	0.045 s	
network.gensim>genLayerNet	6	0.065 s	0.063 s	
save_system	6	3.920 s	0.585 s	
...vate/util_is_analyzing_for_fixpt_tool	6	0.285 s	0.283 s	
simulink/private/create_thumbnail	6	1.838 s	0.124 s	
LAScope.isLogicAnalyzerAvailable	6	0.010 s	0.001 s	

slxPackager.writePart	6	0.107 s	0.106 s	
LAScope.getInstrumentedSignals	6	0.045 s	0.012 s	
network.gensim>genNetworkLayer	6	0.872 s	0.034 s	
network.gensim>genLayerOutput	6	0.012 s	0.009 s	
network.gensim>genLayerTransfer	6	0.073 s	0.015 s	
network.gensim>genLayerBias	6	0.010 s	0.008 s	
ToolBars>getDebuggerButtonState	6	0.021 s	0.003 s	
sl_customization>stateflowApplnDebugMode	6	0.001 s	0.000 s	
...erfaceManagerHelper.isActionInstalled	6	0.001 s	0.001 s	
ToolBars>setupDebuggerButtonSchema	6	0.023 s	0.001 s	
...imulationSteppingAvailableForThisMode	6	0.001 s	0.001 s	
ToolBars>loc_isSimulationSteppingEnabled	6	0.002 s	0.002 s	
ToolBars>isStateflowLoadedIntoMemory	6	0.018 s	0.018 s	
.../private/create_thumbnail>i_create	6	1.714 s	0.070 s	
utilGetMaskDisplayString	6	0.013 s	0.007 s	
...t;var_cp_signal_gen.var_cp_signal_gen	6	0.018 s	0.011 s	
parseMaskDisplay>subfun_image	6	0.001 s	0.000 s	
parseMaskDisplay>subfun_disp	6	0.000 s	0.000 s	
imread	6	0.023 s	0.007 s	
imagesci/private/getFileFromURL	6	0.000 s	0.000 s	
imread>get_full_filename	6	0.002 s	0.002 s	
imagesci/private/readpng	6	0.011 s	0.001 s	
imagesci/private/readpng>parse_args	6	0.000 s	0.000 s	
imagesci/private/pngreadc (MEX-file)	6	0.001 s	0.001 s	
imread>call_format_specific_reader	6	0.012 s	0.001 s	
simulink/...ate/is_stateflow_based_block	6	0.003 s	0.003 s	
...gt;SubsystemType.isStateflowSubsystem	6	0.005 s	0.001 s	
sldvshareprivate	6	0.290 s	0.005 s	
Simulink.DVOOutput.refresh	6	0.326 s	0.005 s	
sldv/private/mdl_current_results	6	0.008 s	0.007 s	
initDVResultStruct	6	0.001 s	0.001 s	
sldvprivate	6	0.014 s	0.007 s	
Simulink.DVOOutput.refresh>Constructhtml	6	0.031 s	0.008 s	

...DVOutput.refresh>default_html_text	6	0.008 s	0.008 s	
...>BreachOpenSystem.BreachOpenSystem	6	0.150 s	0.001 s	
BreachProblem.setup_global_nelder_mead	6	0.022 s	0.004 s	
bar	6	0.278 s	0.040 s	
nndata	6	0.018 s	0.016 s	
Bar.Bar>Bar.set.NumPeersMode	6	0.002 s	0.001 s	
Bar.Bar>Bar.get.NumPeersMode	6	0.000 s	0.000 s	
Bar.Bar>Bar.set.NumPeers	6	0.004 s	0.002 s	
Bar.Bar>Bar.set.BarWidthMode	6	0.002 s	0.001 s	
Bar.Bar>Bar.get.BarWidthMode	6	0.000 s	0.000 s	
Bar.Bar>Bar.set.BarWidth	6	0.004 s	0.002 s	
Bar.Bar>Bar.set.BarWidth_l	6	0.000 s	0.000 s	
Bar.Bar>Bar.Bar	6	0.045 s	0.011 s	
strict_pos_int_inf_scalar	6	0.003 s	0.002 s	
pos_inf_scalar	6	0.004 s	0.003 s	
over1	6	0.004 s	0.003 s	
strict_pos_scalar	6	0.003 s	0.002 s	
network.subsasgn>setLayerName	6	0.002 s	0.001 s	
weight_fcn	6	0.054 s	0.004 s	
output	6	0.176 s	0.006 s	
output>iConfigureProcessingFunctions	6	0.109 s	0.006 s	
...toolbox.nnet.diagram.network.nnLayer (Java method)	6	0.001 s	0.001 s	
plotperform	6	0.006 s	0.006 s	
plottrainstate	6	0.004 s	0.004 s	
ploterrhist	6	0.005 s	0.005 s	
plotregression	6	0.005 s	0.005 s	
...nalsPlot>BreachSignalsPlot.AddAxes	6	2.185 s	0.806 s	
Legend.Legend>Legend.set.Interpreter	6	0.003 s	0.002 s	
Bar.Bar>Bar.setFace_lFanoutProps	6	0.004 s	0.003 s	
Bar.getLegendGraphic	6	0.015 s	0.015 s	
Bar.Bar>Bar.setEdge_lFanoutProps	6	0.009 s	0.007 s	
linkaxes>syncLimits	6	0.052 s	0.036 s	

strict_pos_int_inf_scalar>type_check	6	0.001 s	0.001 s	
pos_inf_scalar>type_check	6	0.001 s	0.001 s	
over1>type_check	6	0.001 s	0.001 s	
strict_pos_scalar>type_check	6	0.000 s	0.000 s	
network.subsasgn>setBiasLearnFcn	6	0.046 s	0.044 s	
network.subsasgn>newBias	6	0.001 s	0.001 s	
initwb>initialize_bias	6	0.000 s	0.000 s	
initlay>initialize_bias	6	0.003 s	0.001 s	
initnw>configure_layer_weight	6	0.011 s	0.001 s	
initnw>configure_input_weight	6	0.007 s	0.001 s	
initlay>configure_input_weight	6	0.010 s	0.001 s	
initlay>initialize_network	6	0.295 s	0.003 s	
bias	6	0.009 s	0.003 s	
inputWeight	6	0.073 s	0.007 s	
network.init	6	0.303 s	0.005 s	
network.subsasgn>newWeight	6	0.001 s	0.001 s	
dotprod	6	0.055 s	0.001 s	
network.subsasgn>setLayerInitFcn	6	0.204 s	0.046 s	
output>iConfigureLayer	6	0.055 s	0.002 s	
LAScope.connectSignals	6	0.126 s	0.003 s	
LAScope.getLogicAnalyzer	6	0.002 s	0.002 s	
CreateSystem	6	0.004 s	0.004 s	
boolean	6	0.001 s	0.001 s	
BreachSystem>BreachSystem.SetTime	6	0.001 s	0.001 s	
optimfun/private/uselargeoptimstruct	6	0.001 s	0.001 s	
optimfun/private/optimoptiongetfields	6	0.000 s	0.000 s	
optimset>onDeprecationPathOptionCheck	6	0.000 s	0.000 s	
optimset>checkfield	6	0.002 s	0.001 s	
optimset>displayType	6	0.001 s	0.001 s	
Bar.Bar>Bar.set.Face_I	6	0.005 s	0.001 s	
Bar.Bar>Bar.get.LineStyle	6	0.001 s	0.001 s	
Bar.Bar>Bar.get.LineStyle_I	6	0.000 s	0.000 s	
Bar.Bar>Bar.get.LineWidth_I	6	0.000 s	0.000 s	

Bar.Bar>Bar.set.Edge_l	6	0.010 s	0.001 s	
Bar.Bar>Bar.doSetup	6	0.001 s	0.001 s	
Bar.Bar>Bar.get.CDataMode	6	0.000 s	0.000 s	
Bar.Bar>Bar.set.CData_l	6	0.000 s	0.000 s	
incrementPeerID	6	0.001 s	0.001 s	
Bar.Bar>Bar.doPostSetup	6	0.012 s	0.001 s	
Bar.Bar>Bar.set.BarPeerID	6	0.000 s	0.000 s	
Bar.Bar>Bar.addBarListeners	6	0.010 s	0.010 s	
tickCallback	6	0.101 s	0.002 s	
...ager>AxesLayoutManager.doMarkDirty	6	0.001 s	0.001 s	
generateArgumentDescriptor	6	0.006 s	0.006 s	
attributes>checkInputs	6	0.009 s	0.003 s	
attributes	6	0.027 s	0.005 s	
attributes>checkClass	6	0.003 s	0.003 s	
attributes>checkAttrs	6	0.011 s	0.005 s	
...etime>datetime.getsetLocalTimeZone	6	0.002 s	0.002 s	
isScalarText	6	0.002 s	0.002 s	
Job.Job>Job.get.Tasks	6	0.150 s	0.001 s	
timer.timer>timer.get.Running	6	0.002 s	0.001 s	
timer.timer>timer.getProperty	6	0.001 s	0.001 s	
...ton>AxesToolBarButton.set.Position	6	0.005 s	0.005 s	
axesMoved	6	0.022 s	0.001 s	
...llocalAxesPositionPostSetCB(hObj,h,e)	6	0.002 s	0.001 s	
...graphics.internal.axesMoved(o,e,fig)	6	0.023 s	0.001 s	
linkaxes>iscartesian	6	0.003 s	0.003 s	
linkaxes>local_is2D	6	0.568 s	0.009 s	
linkaxes>localRemoveLink	6	0.006 s	0.006 s	
...sPlot>BreachSignalsPlot.AddSignals	6	3.067 s	0.006 s	
Legend.Legend>Legend.set.InterpreterMode	6	0.001 s	0.001 s	
Legend.Legend>Legend.get.InterpreterMode	6	0.000 s	0.000 s	
Legend.Legend>Legend.set.Interpreter_l	6	0.000 s	0.000 s	
setup>share_samples	6	0.011 s	0.004 s	
fix_nan_inputs>iAnyNaN	6	0.003 s	0.003 s	

starts	6	0.001 s	0.001 s	
slmsgviewer>slmsgviewer.isModelLoadStage	6	0.000 s	0.000 s	
ViewMenu	6	0.012 s	0.001 s	
dasprivate	6	0.350 s	0.004 s	
defaultModelTemplate	6	0.001 s	0.001 s	
...emType>SubsystemType.SubsystemType	6	0.001 s	0.001 s	
SubsystemType>SubsystemType.isSubsystem	6	0.001 s	0.001 s	
...veUtils.getCanonicalMATLABDriveFolder	5	0.005 s	0.001 s	
getMATLABDriveFolder	5	0.004 s	0.004 s	
...ATLABDriveUtils.getRelativeClientPath	5	0.006 s	0.001 s	
bdclose	5	1.377 s	0.005 s	
...t;BreachProblem.display_status_header	5	0.002 s	0.002 s	
kron	5	0.003 s	0.003 s	
...em>BreachProblem.objective_wrapper	5	2379.371 s	0.042 s	
...em>@(x)(objective_wrapper(this,x))	5	2379.372 s	0.001 s	
BreachProblem.FevalInit	5	2379.375 s	0.002 s	
...reachProblem>BreachProblem.add_res	5	0.002 s	0.002 s	
...achProblem>BreachProblem.Display_X	5	0.004 s	0.004 s	
attributes>findSupportedAttr	5	0.002 s	0.002 s	
...expectedScalar',msgId,argname,argpos)	5	0.003 s	0.001 s	
attributes>valueAttributor	5	0.002 s	0.002 s	
FadeTimer>FadeTimer.get.Running	5	0.004 s	0.001 s	
timer.timer>timer.getObjects	5	0.002 s	0.002 s	
workspacefunc>@(x)~isempty(x)	4	0.000 s	0.000 s	
workspacefunc>getCleanupHandler	4	0.002 s	0.002 s	
scatterplot	4	0.057 s	0.024 s	
workspacefunc>getWhosInformation	4	0.010 s	0.008 s	
...s.mlwidgets.workspace.WhosInformation (java method)	4	0.001 s	0.001 s	
...pace.MatlabWorkspaceListener.swl(swI)	4	0.001 s	0.001 s	
...t>@()set(gca,'Nextplot',holdState)	4	0.001 s	0.001 s	

...debug.LiveEditorDebugEventTranslator (Java method)	4	0.001 s	0.001 s	
falsification_breach	4	4749.402 s	0.358 s	
EODataStore>EODataStore.getEditorMap	4	0.002 s	0.001 s	
EODataStore>EODataStore.getCoreMap	4	0.001 s	0.001 s	
EODataStore>EODataStore.getEditorSubMap	4	0.003 s	0.001 s	
pathsep	4	0.000 s	0.000 s	
uitools/private/prefutils>getPrefFile	4	0.001 s	0.001 s	
PathInfo>PathInfo.getSerializedPathInfo	4	0.006 s	0.001 s	
Snapshot>Snapshot.getFileName	4	0.002 s	0.002 s	
...eachProblem>BreachProblem.Reset_x0	4	0.018 s	0.005 s	
...blem>BreachProblem.ResetObjective	4	0.091 s	0.012 s	
Legend.doMethod>get_best_location	4	0.088 s	0.026 s	
gscatter	4	0.491 s	0.035 s	
cell.unique>celluniquelegacy	4	0.010 s	0.009 s	
...gSetup>EditTimeCheckingSetup.setup	4	0.017 s	0.002 s	
...;ConfigSetListenerManager.addListener	4	0.006 s	0.003 s	
...etup>EditTimeCheckingSetup.cleanup	4	0.003 s	0.001 s	
...nfigSetListenerManager.removeListener	4	0.002 s	0.002 s	
...ck>Callback.postNameChangeCallback	4	0.008 s	0.002 s	
Simulink.BlockDiagram.hasCallback	4	0.001 s	0.001 s	
Snapshot>Snapshot.set.Format	4	0.002 s	0.001 s	
...>ConfigSetAdapter.ConfigSetAdapter	4	0.003 s	0.001 s	
...ter>ConfigSetAdapter.setupListener	4	0.002 s	0.002 s	
Snapshot>Snapshot.render	4	1.112 s	0.817 s	
slmsgviewer>slmsgviewer.renameTab	4	0.008 s	0.001 s	
slmsgviewer>slmsgviewer.rename	4	0.007 s	0.001 s	
removeAxesFromGrid>lookForNewGrid	4	0.005 s	0.005 s	
datacursormode>localSetUIOn	4	4.189 s	0.006 s	
javachk	4	0.002 s	0.002 s	
SigLogSelector.getExplorer	4	0.002 s	0.002 s	
CodePerspective.isInPerspective	4	0.002 s	0.001 s	
getSimulinkCoderBaseLicenseState	4	0.004 s	0.001 s	

...Panel.refreshExtModeCtrlPanelForModel	4	0.003 s	0.002 s	
network.gensim>genNetworkFrom	4	0.006 s	0.006 s	
network.gensim>genNetworkTo	4	0.005 s	0.005 s	
network.gensim>genLayerSignal	4	0.007 s	0.006 s	
network.gensim>genLayerDelays	4	0.027 s	0.026 s	
network.gensim>genLayerWeight	4	0.335 s	0.310 s	
BreachSystem>BreachSystem.AddOutput	4	0.057 s	0.021 s	
BreachSet>BreachSet.GetSysVariables	4	0.012 s	0.002 s	
Simulink.Preferences.getFullName	4	0.002 s	0.001 s	
Simulink.GeneralPrefs.getDisplayLabel	4	0.001 s	0.001 s	
Simulink.EditorPrefs.getDisplayLabel	4	0.001 s	0.000 s	
Simulink.ModelFilePrefs.getDisplayLabel	4	0.001 s	0.000 s	
ToolBars>ToolBarNewMenu	4	0.006 s	0.003 s	
ToolBars>Save	4	0.005 s	0.004 s	
cm_get_custom_schemas	4	0.005 s	0.005 s	
getCustomSchemas	4	0.006 s	0.001 s	
MenuBar>loc_getCustomSchemas	4	0.011 s	0.004 s	
getInterface	4	0.029 s	0.002 s	
...JobStateFromTasks>iGetStateForTask	4	0.005 s	0.003 s	
getSimulinkCoderLicenseState	4	0.004 s	0.001 s	
NewMenu>NewDefaultModel	4	0.055 s	0.054 s	
isLockedSystem	4	0.002 s	0.002 s	
simulink/private/sleditor_getinterface	4	0.030 s	0.001 s	
Snapshot>Snapshot.Snapshot	4	0.002 s	0.002 s	
Resolver>Resolver.internalBlockToChart	4	0.001 s	0.001 s	
Resolver>@(x)isValidSIObject(slroot,x)	4	0.001 s	0.000 s	
Resolver>Resolver.resolveToUDD	4	0.003 s	0.002 s	
Resolver>Resolver.internalResolveToUDD	4	0.001 s	0.001 s	
Snapshot>Snapshot.set.Target	4	0.006 s	0.001 s	
...gt:Resolver.resolveToDoubleHandleOrId	4	0.004 s	0.001 s	
...Snapshot.getEquivalentSupportedFormat	4	0.001 s	0.001 s	
...Snapshot.setIsSaveThumbnailExportFlag	4	0.000 s	0.000 s	
BreachDomain>BreachDomain.sample	4	0.033 s	0.017 s	

dataHints	4	0.009 s	0.004 s	
formatData	4	0.012 s	0.004 s	
Resolver>Resolver.isSimulink	4	0.006 s	0.002 s	
netHints	4	0.065 s	0.061 s	
netHints>iLayerHints	4	0.015 s	0.015 s	
...ation_breach>fixed_input_generator	4	0.207 s	0.010 s	
Utils>Utils.GetBGColor	4	0.004 s	0.002 s	
Utils>Utils.IsStateflow	4	0.000 s	0.000 s	
Color>Color.getRGB	4	0.002 s	0.002 s	
Snapshot>Snapshot.getTargetOutputRect	4	0.006 s	0.005 s	
Snapshot>Snapshot.getOutputPadding	4	0.000 s	0.000 s	
Snapshot>Snapshot.getUnscaledTargetSize	4	0.000 s	0.000 s	
Snapshot>Snapshot.getOffsetAndScaleToFit	4	0.001 s	0.001 s	
Snapshot>Snapshot.snap	4	1.623 s	0.507 s	
Snapshot>Snapshot.getRotation	4	0.001 s	0.001 s	
Snapshot>Snapshot.getOutputSize	4	0.001 s	0.001 s	
...de>localIsMouseOverDataAnnotatable	4	4.111 s	0.561 s	
studiogetinterface	4	0.035 s	0.004 s	
...t;BreachTraceSystem.BreachTraceSystem	4	0.154 s	0.007 s	
STL_Formula.display	4	0.489 s	0.003 s	
stl_monitor>stl_monitor.stl_monitor	4	4.491 s	0.012 s	
...roblem>BreachProblem.BreachProblem	4	0.184 s	0.004 s	
...ificationProblem.FalsificationProblem	4	0.234 s	0.004 s	
Simulink.GeneralPrefs.getDisplayIcon	4	0.000 s	0.000 s	
Simulink.EditorPrefs.getDisplayIcon	4	0.000 s	0.000 s	
Simulink.ModelFilePrefs.getDisplayIcon	4	0.000 s	0.000 s	
...Plot>BreachSamplesPlot.update_plot	4	7.281 s	1.275 s	
slmsgviewer>slmsgviewer.getTabInfo	4	0.001 s	0.001 s	
...wer>slmsgviewer.purgeStaleTabInfos	4	0.000 s	0.000 s	
...ingInfo.syncSizeOfLogAsSpecifiedSSIDs	4	0.001 s	0.001 s	
...ector.fireSignalLoggingPropertyChange	4	0.004 s	0.002 s	
CtrlPanel>CtrlPanel.parseModelArgument	4	0.000 s	0.000 s	
CtrlPanel>CtrlPanel.getCtrlPanelForModel	4	0.001 s	0.001 s	

output_gen>output_gen.output_gen	4	0.001 s	0.000 s	
stl_monitor>stl_monitor.init_P	4	0.013 s	0.009 s	
setup1>setupImpl	4	0.260 s	0.016 s	
netHints>iPerformanceHints	4	0.003 s	0.003 s	
netHints	4	0.063 s	0.055 s	
training_fcn	4	0.084 s	0.003 s	
strict_pos_int_scalar	4	0.003 s	0.002 s	
network.gensim>uniquename	4	0.002 s	0.001 s	
parameterInfo	4	0.000 s	0.000 s	
name	4	0.000 s	0.000 s	
type	4	0.000 s	0.000 s	
processInputs	4	0.000 s	0.000 s	
processOutputs	4	0.000 s	0.000 s	
network.subsasgn>setLayerSize	4	0.112 s	0.001 s	
simulinkParameters	4	0.000 s	0.000 s	
network.subsasgn>setLayerTransferFcn	4	0.166 s	0.003 s	
input	4	0.191 s	0.011 s	
processInput	4	0.005 s	0.001 s	
network.subsasgn>setTrainParam	4	0.009 s	0.001 s	
defaultMode>iUsesDerivatives	4	0.001 s	0.001 s	
isNotParallelData	4	0.000 s	0.000 s	
...Legend>Legend.set.PlotChildrenMode	4	0.003 s	0.002 s	
...Legend>Legend.get.PlotChildrenMode	4	0.000 s	0.000 s	
Legend.doMethod>doMarkDirty	4	0.001 s	0.001 s	
...legendEntry>LegendEntry.doMarkDirty	4	0.003 s	0.001 s	
updateTicks	4	0.097 s	0.036 s	
netHints	4	0.066 s	0.003 s	
formatNet	4	0.007 s	0.001 s	
network.subsasgn>setDivideFcn	4	0.034 s	0.030 s	
network.subsasgn>setLayerWeightLearnFcn	4	0.033 s	0.032 s	
nnsiz	4	0.004 s	0.001 s	
feedforwardnet	4	1.778 s	0.012 s	
network.subsasgn>setLayerDimensions	4	0.111 s	0.001 s	

check	4	0.007 s	0.003 s	
network.subsasgn>subs2	4	0.003 s	0.003 s	
MarkerFile>MarkerFile.getCurrentVersion	4	0.004 s	0.001 s	
MarkerFile>MarkerFile.getSimulinkVersion	4	0.000 s	0.000 s	
infoMATFileMgr	4	0.002 s	0.002 s	
BreachSet>BreachSet.SampleDomain	4	0.114 s	0.057 s	
isaP	4	0.000 s	0.000 s	
BreachSet>BreachSet.GetParamRanges	4	0.002 s	0.002 s	
FindParamsInput	4	0.004 s	0.003 s	
...hProblem>BreachProblem.get_problem	4	0.009 s	0.005 s	
...t;BreachRequirement.BreachRequirement	4	4.815 s	0.003 s	
req_monitor>req_monitor.req_monitor	4	0.001 s	0.001 s	
get_monitors	4	4.513 s	0.008 s	
get_monitors>find_template	4	0.004 s	0.003 s	
STL_Formula.get_type	4	0.001 s	0.001 s	
...quirement>BreachRequirement.AddReq	4	4.634 s	0.004 s	
BreachSet>BreachSet.GetReqVariables	4	0.009 s	0.001 s	
...ment>BreachRequirement.ResetSigMap	4	0.024 s	0.001 s	
...BreachProblem>BreachProblem.solve	4	2379.640 s	0.007 s	
...t;FalsificationProblem.ResetObjective	4	0.092 s	0.001 s	
...Problem>BreachProblem.setup_solver	4	0.017 s	0.002 s	
...blem>BreachProblem.ResetTimeSpent	4	0.000 s	0.000 s	
...gt;FalsificationProblem.DispResultMsg	4	0.005 s	0.003 s	
...roblem>BreachProblem.DispResultMsg	4	0.002 s	0.002 s	
...gt;BreachProblem.Display_Best_Results	4	0.005 s	0.002 s	
...m>FalsificationProblem.SaveInCache	4	0.001 s	0.001 s	
...Problem>FalsificationProblem.solve	4	2379.642 s	0.002 s	
...blem>BreachProblem.GetBrSet_Logged	4	18.461 s	0.004 s	
...blem>FalsificationProblem.GetFalse	4	5.144 s	0.002 s	
...BreachProblem>BreachProblem.GetLog	4	18.463 s	0.002 s	
...ement>BreachRequirement.GetSummary	4	0.318 s	0.003 s	
...>BreachSamplesPlot.update_req_plot	4	5.428 s	0.096 s	

...t:BreachSamplesPlot.BreachSamplesPlot	4	7.819 s	0.178 s	
view>ViewCore	4	0.004 s	0.003 s	
...hSamplesPlot.update_req_plot/plot_num	4	0.675 s	0.008 s	
ruler2num	4	0.001 s	0.001 s	
view	4	0.008 s	0.003 s	
view>isAxesHandle	4	0.001 s	0.001 s	
setRulerLayerTop	4	0.003 s	0.003 s	
...chSamplesPlot.update_req_plot/bar_pos	4	0.273 s	0.005 s	
...legendEntry>@(h,e)doMarkDirty(hObj)	4	0.003 s	0.001 s	
uimode.modeControl	4	4.213 s	0.003 s	
uimode.modeControl>localStartMode	4	0.013 s	0.009 s	
uimodemanager.uimodemanager>localSetMode	4	4.232 s	0.004 s	
activateuimode	4	4.238 s	0.003 s	
...t;DataCursorManager.DataCursorManager	4	0.074 s	0.002 s	
...r>DataCursorManager.set.ModeHandle	4	0.003 s	0.003 s	
...te>DataCursorState.DataCursorState	4	0.000 s	0.000 s	
...Manager>DataCursorManager.getState	4	0.002 s	0.002 s	
DataCursorManager.createContextMenu	4	0.036 s	0.036 s	
...ip>PointDataTip.setMenuNotCopyable	4	0.000 s	0.000 s	
...>DataCursorManager.initContextMenu	4	0.041 s	0.002 s	
...ataCursorManager.get.PointDataCursors	4	0.021 s	0.001 s	
...t;DataCursorManager.get.CurrentCursor	4	0.026 s	0.003 s	
...t;DataCursorManager.get.UIContextMenu	4	0.001 s	0.001 s	
...de>uimode.set.WindowScrollWheelFcn	4	0.001 s	0.000 s	
...uimodemanager>localScribeclearmode	4	0.005 s	0.002 s	
scribeclearmode	4	0.003 s	0.003 s	
uimode.uimode>uimode.set.Enable	4	4.221 s	0.003 s	
zoom.zoom>zoom.set.Motion	4	0.007 s	0.001 s	
uimode.modeControl>localPrepareFigure	4	0.005 s	0.005 s	
...anager>DataCursorManager.startMode	4	0.033 s	0.003 s	
...gt;DataCursorManager.getTipFromCursor	4	0.001 s	0.001 s	
...gt;DataCursorManager.get.DisplayStyle	4	0.003 s	0.000 s	
...nager>DataCursorManager.set.Enable	4	0.001 s	0.001 s	

getpixelposition	4	0.004 s	0.001 s	
uitools/private/getPixelPositionHelper	4	0.002 s	0.002 s	
States>States.isValidState	4	0.009 s	0.003 s	
datetime.datetime>currentTime	4	0.006 s	0.005 s	
...l>Local.getJobSchedDataIfAvailable	4	0.047 s	0.002 s	
...ds>@(t)hGetProperty(t,'StateEnum')	4	0.013 s	0.001 s	
...: @(t)t.hGetProperty('FinishDateTime')	4	0.157 s	0.001 s	
...(uuid)obj.LocalSched.getCommand(uuid)	4	0.001 s	0.001 s	
CJSJobMethods>@(x)x.isTerminal()	4	0.001 s	0.001 s	
...hods>@(x)isequal(x,States.Pending)	4	0.000 s	0.000 s	
Task.Task>Task.getId	4	0.000 s	0.000 s	
mgrp2idx	4	0.004 s	0.002 s	
...>ToolBarController.get.FadeInTimer	4	0.065 s	0.003 s	
hgfeval	4	4.191 s	0.002 s	
...ager>uimodemanager.set.CurrentMode	4	4.235 s	0.003 s	
...er>DataCursorManager.set.UpdateFcn	4	0.004 s	0.001 s	
...ataCursorManager.set.SnapToDataVertex	4	0.024 s	0.001 s	
...bplotListenersManager.hasManagedTitle	4	0.000 s	0.000 s	
...ger>SubplotListenersManager.delete	4	0.001 s	0.001 s	
uitools/private/prefutils>loadPrefs	4	0.099 s	0.098 s	
uitools/private/prefutils>checkGroup	4	0.000 s	0.000 s	
...futils>checkAndConvertToCellVector	4	0.001 s	0.001 s	
getpref	4	0.113 s	0.005 s	
zoom.zoom>localSetStyle	4	0.005 s	0.002 s	
...ectorOps>DisallowVectorOps.subsref	4	0.004 s	0.004 s	
mgrp2idx	4	0.006 s	0.002 s	
stats/private/mgrp2idx	4	0.008 s	0.002 s	
iscatter	4	0.060 s	0.003 s	
cluster_and_sample>cex_tolerance	4	0.006 s	0.006 s	
network.configure>iEnsureDataSuitability	4	0.001 s	0.001 s	
numsignals	4	0.000 s	0.000 s	
extractNameValuePairs	4	0.002 s	0.002 s	
options2Mode	4	0.042 s	0.004 s	

defaults	4	0.001 s	0.001 s	
override	4	0.001 s	0.001 s	
strict_pos_int_scalar>type_check	4	0.000 s	0.000 s	
checkOptions	4	0.004 s	0.001 s	
expandFile	4	0.000 s	0.000 s	
...Mode>iMexModeCompatibleWithNetwork	4	0.026 s	0.002 s	
nnMATLAB	4	0.004 s	0.003 s	
Matlab	4	0.004 s	0.004 s	
defaultMode>iDefaultCalculationMode	4	0.028 s	0.001 s	
options2Mode>MexOrMATLAB	4	0.030 s	0.001 s	
netHints>iDimensionHints	4	0.002 s	0.002 s	
processInputs	4	0.017 s	0.002 s	
weedProcessSteps	4	0.007 s	0.007 s	
pruneEmptyWeights	4	0.002 s	0.002 s	
setup1>iPredelayedProcessedInputs	4	0.000 s	0.000 s	
setup1>iShouldFlattenTime	4	0.001 s	0.001 s	
preCalcData	4	0.090 s	0.004 s	
netHints>iInputHints	4	0.008 s	0.008 s	
netHints>iOutputHints	4	0.011 s	0.011 s	
netHints>iWeightHints	4	0.023 s	0.023 s	
forward_layer_delays	4	0.006 s	0.001 s	
setup1	4	0.262 s	0.003 s	
getwb	4	0.006 s	0.001 s	
formwb	4	0.005 s	0.005 s	
setup2	4	0.046 s	0.005 s	
formatData>iFormatPd	4	0.000 s	0.000 s	
codeHints	4	0.011 s	0.011 s	
nnCalcLib>nnCalcLib.nnCalcLib	4	0.003 s	0.003 s	
summary	4	0.000 s	0.000 s	
slmsgviewer>slmsgviewer.processRecord	4	0.003 s	0.002 s	
slmsgviewer>slmsgviewer.IsStageRecord	4	0.001 s	0.001 s	
...er>slmsgviewer.isModelLoadEndStage	4	0.001 s	0.001 s	
CodePerspective.getInstance	4	0.001 s	0.001 s	

CodePerspective.getStatus	4	0.000 s	0.000 s	
NewMenu	4	0.002 s	0.001 s	
NewMenu>GetNewMenuChildren	4	0.001 s	0.001 s	
SimulationMenu	4	0.008 s	0.001 s	
simset	4	0.016 s	0.009 s	
strmatch	4	0.007 s	0.007 s	
FileSerializer>iLoadDate	3	0.062 s	0.005 s	
bdclose>i_stop_simulations	3	0.112 s	0.010 s	
intersect>intersectR2012a	3	0.048 s	0.014 s	
intersect	3	0.058 s	0.010 s	
STL_ReadFile>wrap_up	3	6.191 s	0.014 s	
opaque.string	3	0.005 s	0.004 s	
timer.timer>makeDefaultJobObject	3	0.015 s	0.004 s	
BreachProblem.solve_random	3	1761.549 s	0.009 s	
...Problem>BreachProblem.setup_random	3	0.003 s	0.001 s	
RandStream.RandStream>RandStream.delete	3	0.000 s	0.000 s	
...dStream>RandStream.setGlobalStream	3	0.004 s	0.000 s	
rng>getCurrentType	3	0.008 s	0.002 s	
RandStream.RandStream>RandStream.subsref	3	0.004 s	0.004 s	
rng	3	0.023 s	0.004 s	
...m.RandStream>RandStream.RandStream	3	0.008 s	0.005 s	
RandStream.RandStream>getargs	3	0.002 s	0.002 s	
RandStream.RandStream>RandStream.algName	3	0.001 s	0.001 s	
N2Nn>N2NnIter	3	0.008 s	0.006 s	
States>States.compare	3	0.001 s	0.001 s	
...r>localGetCanvasContainingAncestor	3	0.001 s	0.001 s	
...lbar>AxesToolbar.getToolbarButtons	3	0.001 s	0.001 s	
java.lang.Class (Java method)	3	0.000 s	0.000 s	
opaque.string>jstring2string	3	0.001 s	0.001 s	
timer.timer>timer.timer	3	0.049 s	0.014 s	
mltimerpackage>addToList	3	0.002 s	0.002 s	
timer.set	3	0.009 s	0.006 s	

timer.timer>timer.set.Name	3	0.001 s	0.001 s	
...xesToolbar>AxesToolbar.get.Opacity	3	0.000 s	0.000 s	
getCurrentTime	2	0.023 s	0.001 s	
trainNetwork	2	109.373 s	0.004 s	
ver>locParseContentsFiles	2	0.022 s	0.011 s	
...d>TemplateInvokeGuard.acquireGuard	2	0.004 s	0.002 s	
trainNetwork>@()warning(ws)	2	0.000 s	0.000 s	
...dirtyManager.setAllPartsDirty(false)	2	0.000 s	0.000 s	
TemplateInvokeGuard>@()guard.release()	2	0.001 s	0.001 s	
...eGuard>TemplateInvokeGuard.release	2	0.000 s	0.000 s	
...util.concurrent.atomic.AtomicBoolean (Java method)	2	0.000 s	0.000 s	
invokeModelTemplate	2	0.216 s	0.108 s	
ver>locGetSingleToolboxInfo	2	0.202 s	0.109 s	
ver>locGetContentsListFromPath	2	0.035 s	0.013 s	
construct_SLX_with_NN	2	4.764 s	0.120 s	
check_cex_elimination	2	1273.649 s	0.022 s	■
...er>FileSerializer.saveFieldsToFile	2	0.019 s	0.006 s	
TempFolder>TempFolder.getInstance	2	0.001 s	0.001 s	
EODataStore>EODataStore.getEditorField	2	0.004 s	0.001 s	
EODataStore>EODataStore.setEditorField	2	0.001 s	0.001 s	
fcn>testfunction	2	0.082 s	0.037 s	
get_mhelp_title	2	0.031 s	0.027 s	
ver>locRemoveUnwantedEntries	2	0.002 s	0.002 s	
ver>locRemoveUnwantedFixPointEntries	2	0.002 s	0.002 s	
...>BreachSimulinkSystem.SetupOptions	2	0.005 s	0.004 s	
...:BreachSimulinkSystem.CreateInterface	2	33.177 s	1.693 s	
cell.intersect>cellintersectlegacy	2	0.022 s	0.010 s	
OsType>OsType.forClient	2	0.000 s	0.000 s	
create_NN_diagram	2	5.176 s	0.057 s	
union>unionR2012a	2	0.001 s	0.001 s	
...>ClusterCriterion.ClusterCriterion	2	0.012 s	0.005 s	
cluster_and_sample	2	1.339 s	0.446 s	

...nkHistory>i_PreShowHistoryCallback	2	0.001 s	0.000 s	
Simulink.BlockDiagram.removeCallback	2	0.006 s	0.003 s	
removeBlockDiagramCallback	2	0.006 s	0.001 s	
Callback.Callback>Callback.CallbackForET	2	0.016 s	0.004 s	
...reachSimulinkSystem.FindLoggedSignals	2	0.150 s	0.012 s	
network.gensim	2	3.109 s	0.342 s	
...Callback.CallbackForET(handle,system)	2	0.017 s	0.001 s	
...Template>@()delete(extractedModel)	2	0.002 s	0.002 s	
network.gensim>genNetworkInput	2	0.514 s	0.157 s	
network.gensim>genNetworkOutput	2	0.423 s	0.115 s	
findVars	2	14.251 s	2.259 s	
run_and_plot_cex_nncs	2	26.130 s	3.682 s	
copyContentsToBlockDiagram	2	0.080 s	0.079 s	
copyContentsToSubsystem	2	0.077 s	0.076 s	
MenuBar>SimulationMenuImpl	2	0.002 s	0.001 s	
MenuBar>CodeMenuImpl	2	0.002 s	0.001 s	
invokeModelTemplate>i_resetMetadata	2	0.031 s	0.007 s	
...age_callback>handleHarnessInformer	2	0.007 s	0.007 s	
MainManager.initPerspective	2	0.001 s	0.001 s	
...pectiveManager.addInDisabledModelList	2	0.001 s	0.001 s	
...veManager.removeFromDisabledModelList	2	0.001 s	0.001 s	
modelEditors	2	0.006 s	0.005 s	
notify>postHTML	2	0.006 s	0.001 s	
notify	2	0.007 s	0.001 s	
isInPerspective	2	0.001 s	0.001 s	
SplotSat	2	13.305 s	0.091 s	
...dback>TrainToolFeedback.enableImpl	2	0.001 s	0.001 s	
ToolBars>canUndoInInterfaceView	2	0.000 s	0.000 s	
ToolBars>SimulationPacingConfiguration	2	0.002 s	0.001 s	
SLMenus.sdiToolbarMenu>sdiToolbarMenuV2	2	0.016 s	0.006 s	
@SLMenus/private/getBirdsEyeScopeSchema	2	0.002 s	0.001 s	
getCurrentSimMode	2	0.005 s	0.003 s	
getSimModeEntries	2	0.005 s	0.004 s	

ToolBars>ToolBarAdvisorToolsMenu	2	0.005 s	0.003 s	
ToolBars>ToolBarBuildMenu	2	0.003 s	0.002 s	
SLMenus.openSDI>openSDIv2	2	0.005 s	0.003 s	
Utils>Utils.isFeaturedOn	2	0.000 s	0.000 s	
...lLoggingInfo.createDefaultForNewModel	2	0.002 s	0.001 s	
network.gensim>createNewSystem	2	0.030 s	0.016 s	
network.gensim>genNetwork	2	1.932 s	0.056 s	
network.gensim>genInputSignal	2	0.004 s	0.004 s	
network.gensim>genInputDelays	2	0.018 s	0.017 s	
network.gensim>genInputWeight	2	0.286 s	0.265 s	
...zer>Customizer.getCustomizeMethods	2	0.010 s	0.004 s	
simulink/private/slSearchProviders	2	0.003 s	0.003 s	
simulink/private/slMarqueeActionConfig	2	0.012 s	0.008 s	
...private/slSingleSelectionActionConfig	2	0.018 s	0.013 s	
MenuBar>FileMenuImpl	2	0.003 s	0.002 s	
MenuBar>EditMenuImpl	2	0.002 s	0.001 s	
MenuBar>ViewMenuImpl	2	0.001 s	0.001 s	
MenuBar>DisplayMenuImpl	2	0.002 s	0.001 s	
MenuBar>DiagramMenuImpl	2	0.001 s	0.001 s	
MenuBar>AnalysisMenuImpl	2	0.001 s	0.001 s	
MenuBar>ToolsMenuImpl	2	0.002 s	0.001 s	
MenuBar>HelpMenuImpl	2	0.001 s	0.001 s	
ToolBars>SLNewSaveToolBar	2	0.004 s	0.003 s	
ToolBars>SLNewOpenSaveToolBar	2	0.003 s	0.003 s	
ToolBars>SLPrintToolBar	2	0.003 s	0.002 s	
ToolBars>SLCutCopyPasteToolBar	2	0.003 s	0.002 s	
ToolBars>SLUndoRedoToolBar	2	0.003 s	0.003 s	
ToolBars>SLNavigateToolBar	2	0.004 s	0.003 s	
ToolBars>SLLibraryExplorerToolBar	2	0.003 s	0.003 s	
ToolBars>SLInputBar	2	0.003 s	0.002 s	
ToolBars>SLSimulationToolBar	2	0.007 s	0.005 s	
ToolBars>SLRefreshBlocks	2	0.003 s	0.002 s	
ToolBars>SLUpdateDiagramToolBar	2	0.003 s	0.002 s	

ToolBars>SLDebugModelBar	2	0.002 s	0.002 s	
ToolBars>SLModelAdvisorToolBar	2	0.004 s	0.002 s	
ToolBars>SLBuildToolBar	2	0.009 s	0.002 s	
ToolBars>SLFindToolBar	2	0.003 s	0.002 s	
ToolBars>ToolBarOpenMenu	2	0.008 s	0.003 s	
ToolBars>Print	2	0.001 s	0.001 s	
ToolBars>Cut	2	0.006 s	0.003 s	
ToolBars>Copy	2	0.004 s	0.003 s	
ToolBars>Paste	2	0.004 s	0.003 s	
ToolBars>Undo	2	0.004 s	0.003 s	
ToolBars>Redo	2	0.003 s	0.002 s	
ViewMenu>NavigateBack	2	0.002 s	0.002 s	
ViewMenu>NavigateForward	2	0.002 s	0.002 s	
ViewMenu>NavigateUpToParent	2	0.008 s	0.002 s	
ToolBars>LibraryBrowser	2	0.001 s	0.001 s	
ToolBars>ToolBarConfigurationMenu	2	0.003 s	0.002 s	
ToolBars>ToolBarExplorerMenu	2	0.003 s	0.002 s	
SimulationMenu>SimulationInput	2	0.001 s	0.001 s	
ToolBars>SimulationInteractiveMultiRun	2	0.005 s	0.003 s	
ToolBars>SimulationRollBack	2	0.008 s	0.006 s	
ToolBars>StartPauseContinue	2	0.005 s	0.004 s	
ToolBars>SimulationForward	2	0.004 s	0.003 s	
ToolBars>DebuggerStepOver	2	0.012 s	0.001 s	
ToolBars>DebuggerStepIn	2	0.006 s	0.001 s	
ToolBars>DebuggerStepOut	2	0.007 s	0.001 s	
ToolBars>Stop	2	0.003 s	0.003 s	
ToolBars>ToolBarSimulationStopTime	2	0.003 s	0.002 s	
ToolBars>ToolBarSimulationMode	2	0.016 s	0.003 s	
ToolBars>RefreshBlocks	2	0.004 s	0.001 s	
ToolBars>UpdateDiagram	2	0.003 s	0.002 s	
ToolBars>ToolBarDebugMenu	2	0.003 s	0.002 s	
ToolBars>Find	2	0.004 s	0.002 s	
ToolBars>Open	2	0.002 s	0.001 s	

ToolBars>ConfigurationParameters	2	0.001 s	0.001 s	
ToolBars>ModelExplorer	2	0.002 s	0.002 s	
ToolBars>DebugModel	2	0.005 s	0.001 s	
ToolBars>ModelAdvisorDefault	2	0.003 s	0.001 s	
...>loc_getBuildModelOrSubsystemLabel	2	0.007 s	0.001 s	
MenuBar>MenuBarImpl	2	0.021 s	0.006 s	
MenuBar>CustomSchema	2	0.024 s	0.002 s	
ToolBars>ToolBarsImpl	2	0.005 s	0.003 s	
ToolBars>loc_getSLBuildToolBarState	2	0.007 s	0.002 s	
ToolBars>getDefaultDebugAction	2	0.009 s	0.002 s	
sl_customization>getCustomSimulinkMenu	2	0.000 s	0.000 s	
makeCallback	2	0.001 s	0.001 s	
sl_customization>customMenu	2	0.014 s	0.003 s	
ChartMenu	2	0.001 s	0.001 s	
ChartMenu>ChartMenuImpl	2	0.001 s	0.001 s	
MenuBar>ContextualMenuBarItem	2	0.004 s	0.002 s	
ViewMenu>loc_getNavigateUpToParentState	2	0.006 s	0.004 s	
ToolBars>SimulationForwardToolBar	2	0.005 s	0.001 s	
@SLMenus/private/getLogicAnalyzerSchema	2	0.002 s	0.001 s	
...>loc_TestSimulinkCoderInstallation	2	0.001 s	0.000 s	
...t:loc_getSimulinkCoderAndRTTIItemState	2	0.002 s	0.001 s	
ToolBars>Connect	2	0.001 s	0.001 s	
simulinkcodermenus>BuildModel	2	0.011 s	0.001 s	
ToolBars>loc_getRefreshBlocksState	2	0.002 s	0.002 s	
sl_toggle_schema	2	0.000 s	0.000 s	
...:SimulationInteractiveMultiRunToolBar	2	0.005 s	0.000 s	
ToolBars>loc_isPacingEnabled	2	0.001 s	0.001 s	
ToolBars>SimulationPacingToolBar	2	0.002 s	0.000 s	
getDiagramFullName	2	0.002 s	0.002 s	
ismac	2	0.000 s	0.000 s	
ToolBars>loc_getDebugModelState	2	0.003 s	0.002 s	
isBlockDiagramCompiled	2	0.001 s	0.001 s	
ToolBars>loc_getModelAdvisorState	2	0.001 s	0.001 s	

num2str>handleNumericPrecision	2	0.004 s	0.002 s	
num2str>convertUsingRecycledSprintf	2	0.003 s	0.003 s	
feedforwardnet>create_network	2	1.621 s	0.016 s	
weekday	2	0.007 s	0.005 s	
strvcat	2	0.002 s	0.002 s	
...nstant_signal_gen.constant_signal_gen	2	0.004 s	0.003 s	
BreachSystem>BreachSystem.PlotRobustSat	2	13.316 s	0.008 s	
...m>BreachSimulinkSystem.filter_vars	2	14.289 s	0.029 s	
verLessThan	2	0.003 s	0.002 s	
verLessThan>getParts	2	0.001 s	0.001 s	
findVars>loc_SearchRefModels	2	0.000 s	0.000 s	
strict_pos_int_row	2	0.005 s	0.003 s	
fcn	2	0.079 s	0.002 s	
network.subsasgn>setName	2	0.001 s	0.001 s	
network.subsref	2	0.006 s	0.005 s	
trainlm>formatNet	2	0.001 s	0.001 s	
simulink_input_mode>type_check	2	0.001 s	0.001 s	
simulink_output_mode>type_check	2	0.001 s	0.000 s	
info	2	0.003 s	0.003 s	
name	2	0.000 s	0.000 s	
type	2	0.000 s	0.000 s	
net_input_fcn	2	0.002 s	0.002 s	
net_input_fcn	2	0.027 s	0.001 s	
nntraintool>start	2	5.404 s	2.185 s	
@network/private/nn_new_input_struct	2	0.001 s	0.001 s	
netsum	2	0.028 s	0.001 s	
simulinkParameters	2	0.000 s	0.000 s	
simulinkParameters	2	0.014 s	0.003 s	
simulinkParametersReverse	2	0.003 s	0.002 s	
dividerand>divide_indices	2	0.006 s	0.006 s	
setup>setupPerWorker	2	0.071 s	0.010 s	
strict_pos_int_row>type_check	2	0.002 s	0.002 s	
trainlm>check_param	2	0.000 s	0.000 s	

nnfcnTraining>nnfcnTraining.gdefaults	2	0.000 s	0.000 s	
trainNetwork>fcns2struct	2	0.002 s	0.002 s	
...mmandLineFeedback.CommandLineFeedback	2	0.001 s	0.001 s	
...t:TrainToolFeedback.TrainToolFeedback	2	0.001 s	0.000 s	
...CheckpointFeedback.CheckPointFeedback	2	0.001 s	0.000 s	
...edback>MultiFeedback.MultiFeedback	2	0.001 s	0.000 s	
defaultFeedbackHandler	2	0.006 s	0.003 s	
trainlm>initializeTraining	2	2.130 s	0.009 s	
validation_start	2	0.000 s	0.000 s	
trainNetwork>trainNetworkInMainThread	2	109.360 s	0.016 s	
start	2	0.001 s	0.001 s	
...Handler>FeedbackHandler.enableImpl	2	0.000 s	0.000 s	
...ack>CommandLineFeedback.enableImpl	2	0.000 s	0.000 s	
training_fcn>type_check	2	0.081 s	0.001 s	
network.subsasgn>setTrainFcn	2	0.018 s	0.016 s	
network.train	2	109.805 s	0.015 s	
setup	2	0.078 s	0.004 s	
trainlm>train_network	2	109.390 s	0.017 s	
...ol>getPlotFunctionsSuitableForData	2	0.012 s	0.002 s	
...l>potentiallyHideValidationProgBar	2	0.001 s	0.001 s	
Legend.Legend>Legend.set.PlotChildren	2	0.005 s	0.002 s	
Legend.Legend>Legend.setPlotChildrenImpl	2	0.002 s	0.001 s	
Legend.Legend>Legend.setAutoUpdateImpl	2	0.221 s	0.017 s	
Legend.Legend>Legend.set.AutoUpdate	2	0.223 s	0.001 s	
...edback>TrainToolFeedback.startImpl	2	5.359 s	0.002 s	
...back>CheckpointFeedback.enableImpl	2	0.001 s	0.001 s	
MultiFeedback>MultiFeedback.startImpl	2	2.601 s	0.003 s	
finalize	2	0.004 s	0.004 s	
fcn_types	2	0.001 s	0.001 s	
nnetParam>nnetParam.isempty	2	0.000 s	0.000 s	
value	2	0.003 s	0.003 s	
nnfcnInfo>nnfcnInfo.overrideStructure	2	0.094 s	0.006 s	
adaptwb	2	0.003 s	0.003 s	

network.subsasgn>newLayer	2	0.061 s	0.002 s	
network.subsasgn>setInputProcessFcns	2	0.243 s	0.004 s	
network.subsasgn>setOutputProcessFcns	2	0.181 s	0.004 s	
network.subsasgn>setPerformFcn	2	0.090 s	0.015 s	
network.subsasgn>setAdaptFcn	2	0.020 s	0.017 s	
network.subsasgn>setInputWeightLearnFcn	2	0.018 s	0.016 s	
network.subsasgn>setPlotFcns	2	0.074 s	0.059 s	
nndata_pos>type_check	2	0.001 s	0.001 s	
network.configure	2	0.329 s	0.010 s	
nndata_pos>strict_format	2	0.001 s	0.000 s	
config	2	0.026 s	0.013 s	
network.sim	2	0.155 s	0.013 s	
network.sim>simDataCellOfMatrix	2	0.041 s	0.014 s	
nnetParam>nnetParam.fieldnames	2	0.001 s	0.001 s	
network.subsasgn>newOutput	2	0.001 s	0.001 s	
nn_retraining	2	112.225 s	0.049 s	I
Utils>Utils.isOneClickWorkflowEnabled	2	0.004 s	0.003 s	
BreachSet>BreachSet.VaryingParamList	2	0.001 s	0.000 s	
union	2	0.003 s	0.002 s	
BreachSet>BreachSet.AddPoints	2	0.011 s	0.001 s	
...chSamplesPlot.update_req_plot/bar_neg	2	0.020 s	0.002 s	
ClusterCriterion>ClusterCriterion.plot	2	0.042 s	0.007 s	
...gt:AxesLayoutManager.getManagerPlotty	2	0.020 s	0.003 s	
Legend.Legend>Legend.set.AutoUpdateMode	2	0.001 s	0.001 s	
Legend.Legend>Legend.get.AutoUpdateMode	2	0.000 s	0.000 s	
...hworks.toolbox.distcomp.pmode.Session (java method)	2	0.000 s	0.000 s	
PoolArrayManager>iManipulatePoolArray	2	1.820 s	0.033 s	
InteractiveClient>@(p)isempty(obj.(p))	2	0.000 s	0.000 s	
FilenameUtils>FilenameUtils.fixSlashes	2	0.002 s	0.002 s	
CJSSupport>iCorrectSlash	2	0.003 s	0.001 s	
CJSSupport>CJSSupport.setProperties	2	0.025 s	0.004 s	
parseArgs	2	0.006 s	0.006 s	

@datetime/private/verifyTimeZone	2	0.003 s	0.002 s	
datetime.convertFrom	2	0.002 s	0.001 s	
States>States.gt	2	0.002 s	0.001 s	
FileSerializer>FileSerializer.putFields	2	0.020 s	0.001 s	
CJSSupport>CJSSupport.setJobProperties	2	0.028 s	0.003 s	
...in>CJSJobMixin.hSetPropertyNoCheck	2	0.030 s	0.002 s	
java.util.HashSet (java method)	2	0.000 s	0.000 s	
isMATLABOnline	2	0.001 s	0.001 s	
Worker>Worker.isMATLABOnline	2	0.001 s	0.001 s	
timer.timer>timer.set.ObjectVisibility	2	0.001 s	0.001 s	
timer.timer>timer.set.Period	2	0.001 s	0.001 s	
timer.timer>timer.set.ExecutionMode	2	0.001 s	0.001 s	
FadeTimer>FadeTimer.FadeTimer	2	0.049 s	0.004 s	
timer.timer>timer.set.TimerFcn	2	0.001 s	0.001 s	
...gt;ToolbarController.get.FadeOutTimer	2	0.008 s	0.003 s	
Simulink.Preferences.isHierarchical	2	0.000 s	0.000 s	
clearNotify	2	0.002 s	0.002 s	
...t:BreachSignalsPlot.BreachSignalsPlot	2	3.187 s	0.120 s	
...ment>BreachRequirement.PlotSignals	2	3.189 s	0.001 s	
BreachSet>BreachSet.TestPointInRange	2	0.002 s	0.001 s	
BreachSet>BreachSet.AddPoint	2	0.002 s	0.000 s	
evalclusters	2	0.289 s	0.002 s	
SilhouetteEvaluation>checkDistance	2	0.001 s	0.001 s	
...ouetteEvaluation.SilhouetteEvaluation	2	0.281 s	0.007 s	
...terion>ClusterCriterion.getAllArgs	2	0.000 s	0.000 s	
...t;DisallowVectorOps.DisallowVectorOps	2	0.000 s	0.000 s	
...terion>ClusterCriterion.checkKList	2	0.003 s	0.003 s	
tempdir	2	0.001 s	0.001 s	
...ion>SilhouetteEvaluation.evalklist	2	0.249 s	0.007 s	
...erion>ClusterCriterion.postProcess	2	0.000 s	0.000 s	
nnetParam>nnetParam.subsasgn	2	0.002 s	0.002 s	
feedforwardnet>check_param	2	0.000 s	0.000 s	
network.subsref>matchfield	2	0.001 s	0.000 s	

network.subsref>matchstring	2	0.001 s	0.001 s	
feedforwardnet>iPlotFcns	2	0.000 s	0.000 s	
read_only_values	2	0.008 s	0.008 s	
net	2	0.001 s	0.001 s	
nndata_pos	2	0.004 s	0.002 s	
fix_nan_inputs	2	0.004 s	0.001 s	
y	2	0.048 s	0.003 s	
nnetTrainingRecord	2	0.001 s	0.001 s	
setup	2	0.274 s	0.002 s	
network.sim>nncalc_setup	2	0.039 s	0.002 s	
findType>iSingleArray	2	0.001 s	0.001 s	
findType	2	0.007 s	0.003 s	
findType>iOverrideDefaults	2	0.001 s	0.001 s	
createType	2	0.000 s	0.000 s	
network.sim>simData	2	0.044 s	0.002 s	
yy (MEX-file)	2	0.044 s	0.044 s	
nnCalcLib>nnCalcLib.y	2	0.050 s	0.003 s	
network.sim>simPerWorker	2	0.052 s	0.001 s	
network.sim>iFormatY	2	0.001 s	0.001 s	
ver>locInitializeVerStruct	2	0.000 s	0.000 s	
ver>locCleanDate	2	0.002 s	0.002 s	
ver	2	0.204 s	0.002 s	
simulinkAvailable	2	0.205 s	0.001 s	
simulink_input_mode	2	0.003 s	0.002 s	
simulink_input_mode>strict_format	2	0.000 s	0.000 s	
simulink_output_mode	2	0.003 s	0.002 s	
simulink_output_mode>strict_format	2	0.000 s	0.000 s	
network.prune	2	0.009 s	0.009 s	
...>slmsgviewer.isModelLoadStartStage	2	0.000 s	0.000 s	
...Sheet>MarkupStyleSheet.applyStyler	2	0.002 s	0.002 s	
...t>MarkupStyleSheet.isMarkupVisible	2	0.000 s	0.000 s	
...r.Customizer>Customizer.Customizer	2	0.001 s	0.001 s	
...r.Customizer>Customizer.Customizer	2	0.000 s	0.000 s	

...er>@(c)str2func([className,','c])	2	0.001 s	0.001 s	
FileMenu>generateOpenRecentChildren	2	0.004 s	0.001 s	
FileMenu>generateRecentModels	2	0.002 s	0.002 s	
FileMenu>generateRecentProjects	2	0.001 s	0.001 s	
FileMenu	2	0.005 s	0.001 s	
isInterfaceViewActive	2	0.001 s	0.001 s	
getConfigSetParam	2	0.001 s	0.001 s	
SLMenus.openSDI	2	0.005 s	0.000 s	
SimulationMenu>OpenSDI	2	0.006 s	0.001 s	
getOneMenuTarget	2	0.002 s	0.001 s	
getSingleSelection	2	0.001 s	0.001 s	
objectIsValidBlock	2	0.000 s	0.000 s	
SLMenus.sdiToolBarMenu	2	0.016 s	0.000 s	
isSimulationRunning	2	0.003 s	0.001 s	
getSimStatus	2	0.001 s	0.000 s	
dastudio/private/dig_get_toolbars	2	0.319 s	0.011 s	
...rargin{len}(varargin{1:len-1},cbinfo)	2	0.025 s	0.001 s	
...orkflowEnabled','SuppressExceptions')	2	0.000 s	0.000 s	
simulinkcodermenus>loc_TestLicense	2	0.000 s	0.000 s	
simulinkcodermenus	2	0.011 s	0.001 s	
input_delays	2	0.002 s	0.002 s	
layer_delays	2	0.002 s	0.002 s	
deleteContents	2	0.054 s	0.003 s	
...ntent>DeleteContent.deleteContents	2	0.045 s	0.005 s	
...ontent>DeleteContent.DeleteContent	2	0.001 s	0.001 s	
DeleteContent>DeleteContent.deleteBlocks	2	0.037 s	0.003 s	
DeleteContent>DeleteContent.deleteLines	2	0.002 s	0.002 s	
...nt>DeleteContent.deleteAnnotations	2	0.001 s	0.001 s	
...ulink_version.scalar_simulink_version	2	0.005 s	0.003 s	
...>simulink_version.releaseToVersion	2	0.001 s	0.001 s	
...simulink_version.normalizeReleaseName	2	0.002 s	0.001 s	
...sion>simulink_version.all_releases	2	0.001 s	0.001 s	
...>simulink_version.simulink_version	2	0.007 s	0.001 s	

...rd>TemplateInvokeGuard.getInstance	2	0.001 s	0.001 s	
...eGuard>TemplateInvokeGuard.acquire	2	0.000 s	0.000 s	
getCurrentUser	2	0.000 s	0.000 s	
ParentTemplate>ParentTemplate.set	2	0.002 s	0.002 s	
...e>ParentTemplate.hasDataRegistered	2	0.001 s	0.001 s	
Styler.applyStyle	2	0.002 s	0.002 s	
evaluateCode	1	6193.584 s	0.119 s	
FileInfo>FileInfo.delete	1	0.005 s	0.005 s	
...DebugUtilities.enableDebuggingSupport	1	0.009 s	0.007 s	
Pool.delete	1	1.770 s	0.012 s	
...eractiveClient.pStopLabsAndDisconnect	1	1.739 s	0.005 s	
FileSerializer>iSaveState	1	0.005 s	0.004 s	
FileSerializer>iSaveDate	1	0.006 s	0.003 s	
FileInfo>@()warning(oldWarnings)	1	0.000 s	0.000 s	
...iveClient>@()java.lang.System.gc()	1	0.746 s	0.746 s	
Pool.delete>iAllowDeletion	1	0.003 s	0.003 s	
Pool.delete>@()iAllowDeletion(aPool)	1	0.004 s	0.000 s	
evaluateCode>@()warning(warningState)	1	0.001 s	0.001 s	
...('DisablePrelineEvents',prelineState)	1	0.000 s	0.000 s	
...ionEvaluator.returnToPreviousStatus()	1	0.001 s	0.001 s	
...doutputs.debug.DebugHandler.disable()	1	0.001 s	0.001 s	
...bDebugServices.clearEventTranslator()	1	0.001 s	0.001 s	
...ding(fileThatWillRun,fileToForwardTo)	1	0.061 s	0.061 s	
...>@()debugEventTranslator.dispose()	1	0.001 s	0.000 s	
...atlabDebugServices.clearStackPruner()	1	0.001 s	0.001 s	
....'DisableDebugPrinting',originalValue)	1	0.000 s	0.000 s	
LiveEditorEvaluationHelperESectionEval	1	6193.156 s	0.292 s	
...gt;TempFolder.getFirstAvailableFolder	1	0.043 s	0.041 s	
CJSSupport>CJSSupport.getJobDirOnClient	1	0.004 s	0.000 s	
...ort>CJSSupport.getCrashDumpsForJob	1	0.017 s	0.003 s	
evaluateCode>hasEvaluatingFileChanged	1	0.001 s	0.001 s	
TmpFilePath>TmpFilePath.resetTempFolder	1	0.014 s	0.001 s	

FileInfo>FileInfo.FileInfo	1	0.153 s	0.042 s	
TempFolder>TempFolder.reset	1	0.000 s	0.000 s	
TmpFilePath>TmpFilePath.delete	1	0.013 s	0.003 s	
TmpFilePath>TmpFilePath.get	1	0.156 s	0.001 s	
evaluateCode>writeTempFileForEval	1	0.208 s	0.023 s	
...Path>TmpFilePath.isValidFolderInfo	1	0.000 s	0.000 s	
TempFolder>TempFolder.get.CurrentFolder	1	0.111 s	0.001 s	
TempFolder>TempFolder.createNewPath	1	0.011 s	0.002 s	
TempFolder>TempFolder.getPathPieces	1	0.009 s	0.009 s	
path	1	0.055 s	0.055 s	
path>isValidInput	1	0.000 s	0.000 s	
TempFolder>TempFolder.getFolderOnPath	1	0.111 s	0.000 s	
FileStorage>FileStorage.destroyLocation	1	0.111 s	0.075 s	
evaluateCode>needsRewrite	1	0.000 s	0.000 s	
CJSSupport>CJSSupport.getRootStorageDir	1	0.003 s	0.000 s	
FileInfo>FileInfo.setLastDocumentState	1	0.000 s	0.000 s	
...itor.debug.LiveEditorDebugStackPruner (Java method)	1	0.000 s	0.000 s	
RunnerInfo>RunnerInfo.RunnerInfo	1	0.001 s	0.001 s	
...FileStorage.removeEntityFromMetadata	1	0.034 s	0.029 s	
bdclose>stopSim	1	0.008 s	0.008 s	
STL_ReadFile	1	6.244 s	0.027 s	
...ToolbarController.setToolbarModeState	1	0.013 s	0.008 s	
...gt;StorageMapper.getLinkfileExtension	1	0.000 s	0.000 s	
BreachProblem.solve_corners	1	29.910 s	0.003 s	
BreachProblem.solve_quasi_random	1	588.144 s	0.003 s	■
...m>BreachProblem.setup_quasi_random	1	0.000 s	0.000 s	
...k.Preferences.getHierarchicalChildren	1	0.000 s	0.000 s	
...references.showExplorer>postClosed	1	0.018 s	0.017 s	
AxesToolbar.doUpdate	1	0.062 s	0.018 s	
transformViewerToWorld	1	0.007 s	0.004 s	
ControlsGroup>ControlsGroup.doUpdate	1	0.007 s	0.001 s	
BreachSet>BreachSet.QuasiRandomSample	1	0.014 s	0.002 s	

HaltonRefine	1	0.010 s	0.003 s	
BreachSet>BreachSet.CornerSample	1	0.025 s	0.001 s	
BreachProblem.solve_global_nelder_mead	1	618.064 s	0.004 s	■
N2Nn	1	0.011 s	0.001 s	
N2Nn>find_size_min_cluster	1	0.003 s	0.003 s	
primes	1	0.001 s	0.001 s	
HaltonRefine>halton_sequence	1	0.004 s	0.004 s	
QuasiRefine	1	0.011 s	0.001 s	
num2ruler	1	0.000 s	0.000 s	
Pool.Pool>Pool.hGetIsUsable	1	0.002 s	0.002 s	
Cluster.Cluster>Cluster.hDeleteOneJob	1	0.961 s	0.002 s	
logStack	1	0.009 s	0.005 s	
dctPathAndClearNotificationGateway	1	0.000 s	0.000 s	
distcomp/.../dctPathAndClearNotification (MEX-file)	1	0.000 s	0.000 s	
...t:InteractiveClient.isPossiblyRunning	1	0.001 s	0.000 s	
...teractiveClient.stopLabsAndDisconnect	1	1.741 s	0.001 s	
...iveClient.pCheckAndSetInteractiveType	1	0.000 s	0.000 s	
Constants>Constants.Constants	1	0.000 s	0.000 s	
pctconfig	1	0.001 s	0.001 s	
...:InteractiveClient.pGetClusterAdaptor	1	0.000 s	0.000 s	
...xin>CJSJobMixin.hGetCrashDumpFiles	1	0.018 s	0.001 s	
...rt>CJSSupport.getRootStorageStruct	1	0.000 s	0.000 s	
...:FileStorage.getStorageLocationStruct	1	0.000 s	0.000 s	
...rentJob.hWorkerCrashedDuringExecution	1	0.019 s	0.000 s	
InteractiveClient>iDeleteJobs	1	0.986 s	0.004 s	
...luster>Cluster.hIsClusterAvailable	1	0.000 s	0.000 s	
Job.Job>Job.cancel	1	0.146 s	0.003 s	
...gt:CJSJobMethods.getJobStateFromTasks	1	0.048 s	0.003 s	
Job.Job>Job.errorIfInvalid	1	0.000 s	0.000 s	
...in>CJSJobMixin.hGetClusterUsername	1	0.000 s	0.000 s	
pGetDefaultUsername	1	0.000 s	0.000 s	
CancelException>iGetHostName	1	0.000 s	0.000 s	

...stNameUtils.getLocalCanonicalHostName	1	0.000 s	0.000 s	
...n>CancelException.getDefaultForJob	1	0.002 s	0.002 s	
...lException.getDefaultForJob(username)	1	0.008 s	0.006 s	
datetime.datetime>datetime.empty	1	0.006 s	0.001 s	
...t:ToolbarController.createFadeInTimer	1	0.062 s	0.004 s	
FadeTimer>FadeTimer.start	1	0.027 s	0.003 s	
FadeTimer>FadeTimer.fade	1	0.002 s	0.001 s	
CJSSupport>@(x)x.Name	1	0.000 s	0.000 s	
CJSJobMethods>CJSJobMethods.cancelOneJob	1	0.124 s	0.005 s	
...ethods>CJSJobMethods.destroyOneJob	1	0.775 s	0.001 s	
CJSJobMixin>CJSJobMixin.getStateEnum	1	0.616 s	0.002 s	
...ethods.setJobTerminalStateFromCluster	1	0.340 s	0.004 s	
...JobMixin.hSetTerminalStateFromCluster	1	0.508 s	0.001 s	
Job.Job>Job.delete	1	0.791 s	0.001 s	
Local.deriveJobStateFromTasks	1	0.018 s	0.002 s	
CJSCLuster>CJSCLuster.hGetJobState	1	0.612 s	0.005 s	
datetime.datetime>datetime.horzcat	1	0.005 s	0.001 s	
CJSJobMethods>iDeriveJobStateFromTasks	1	0.021 s	0.006 s	
CJSJobMixin>iMaybeUpdateTaskFinishTimes	1	0.127 s	0.002 s	
...tJob>CJSConcurrentJob.cancelOneJob	1	0.125 s	0.001 s	
Local.Local>Local.awaitWorkerCompletion	1	0.021 s	0.002 s	
Local.cancelOrDestroyJob	1	0.647 s	0.015 s	
Local.Local>Local.wasSubmittedByThisType	1	0.010 s	0.001 s	
Local.Local>Local.getJobState	1	0.027 s	0.001 s	
...estroyJob>iCancelOrDestroyCommands	1	0.002 s	0.001 s	
...xin>CJSJobMixin.hGetStateFromTasks	1	0.049 s	0.001 s	
States>States.lt	1	0.003 s	0.003 s	
datetime.datetime>datetime.posixtime	1	0.001 s	0.001 s	
...ods>iDeriveFinishDateTimeFromTasks	1	0.228 s	0.062 s	
datetime.max	1	0.003 s	0.003 s	
...JSJobMixin.checkForChangesInStateEnum	1	0.001 s	0.001 s	
Job.Job>Job.get.StateEnum	1	0.617 s	0.001 s	
Local.Local>Local.hDestroyJob	1	0.654 s	0.007 s	

CJSCluster>CJSCluster.hGetSupportID	1	0.000 s	0.000 s	
TwoLevelCache>TwoLevelCache.remove	1	0.004 s	0.004 s	
CJSSupport>CJSSupport.destroyJob	1	0.117 s	0.001 s	
FileStorage>iGetIDByName	1	0.000 s	0.000 s	
...iGetParentLocationFromEntityLocation	1	0.000 s	0.000 s	
...obStorageEventManager.notifyDeleteJob	1	0.002 s	0.001 s	
...bStorageEventData.JobStorageEventData	1	0.001 s	0.001 s	
CJSSupport>CJSSupport.notifyDeleteJob	1	0.002 s	0.000 s	
...Job>CJSConcurrentJob.destroyOneJob	1	0.776 s	0.001 s	
Task.Task>Task.hInvalidate	1	0.001 s	0.001 s	
Task.Task>Task.delete	1	0.001 s	0.001 s	
Local.Local>Local.delete	1	0.002 s	0.002 s	
CJSCluster>CJSCluster.delete	1	0.000 s	0.000 s	
Cluster.Cluster>Cluster.delete	1	0.000 s	0.000 s	
TwoLevelCache>TwoLevelCache.delete	1	0.001 s	0.001 s	
...Imessaging.ConnectionManager\$Acceptor (Java method)	1	0.000 s	0.000 s	
Pool.Pool>Pool.hGetClient	1	0.000 s	0.000 s	
...gt;PoolArrayManager.cleanupStalePools	1	1.821 s	0.001 s	
PoolArrayManager>PoolArrayManager.remove	1	0.032 s	0.000 s	
Pool.Pool>Pool.hDeleteLeaveHandleValid	1	1.785 s	0.014 s	
AnalysedSet>AnalysedSet.delete	1	0.001 s	0.001 s	
FevalQueue.FevalQueue>FevalQueue.delete	1	0.001 s	0.001 s	
...pmode.taskqueue.TaskCompletionWaiter (Java method)	1	0.000 s	0.000 s	
...>ToolbarController.createListeners	1	0.006 s	0.006 s	
...bar>AxesToolbar.setBackgroundColor	1	0.003 s	0.003 s	
...t;AxesToolbar.parentToolbarToAxesPane	1	0.045 s	0.006 s	
...bar>AxesToolbar.setToolbarPosition	1	0.006 s	0.005 s	
...r>AxesToolbar.matchBackgroundColor	1	0.005 s	0.002 s	
...sToolbar>AxesToolbar.setParentImpl	1	0.001 s	0.001 s	
...>ToolbarController.doButtonUnhover	1	0.014 s	0.005 s	
...lbarController.getButtonStateFromMode	1	0.001 s	0.001 s	
...gt;AxesToolbar.set.ToolbarAnchorPoint	1	0.001 s	0.001 s	

...rController.setToolBarBackgroundColor	1	0.014 s	0.003 s	
getViewportInDevicePixels	1	0.002 s	0.002 s	
isAxesHit	1	0.004 s	0.004 s	
mustBeNumeric	1	0.000 s	0.000 s	
timer.start	1	0.020 s	0.004 s	
timer.stop	1	0.004 s	0.003 s	
timercb	1	0.015 s	0.007 s	
timer.timer>timer.set.StartDelay	1	0.001 s	0.001 s	
...:ToolBarController.createTooltipTimer	1	0.006 s	0.001 s	
...:ToolBarController.createFadeOutTimer	1	0.006 s	0.000 s	
duration.duration>duration.fromMillis	1	0.003 s	0.002 s	
duration.duration>duration.duration	1	0.001 s	0.001 s	
seconds	1	0.004 s	0.001 s	
datetime.plus	1	0.005 s	0.003 s	
datetime.arithUtil	1	0.002 s	0.002 s	
duration.duration>duration.milliseconds	1	0.000 s	0.000 s	
...ller>ToolBarController.showToolBar	1	0.108 s	0.005 s	
...ller>ToolBarController.hideToolBar	1	0.008 s	0.003 s	
datetime.datetime>datetime.gt	1	0.004 s	0.002 s	
datetime.compareUtil	1	0.002 s	0.002 s	
@datetime/private/relopSign	1	0.001 s	0.001 s	
timer.timercb	1	0.006 s	0.004 s	
FadeTimer>@(e,d)this.timercb	1	0.002 s	0.001 s	
FadeTimer>FadeTimer.timercb	1	0.001 s	0.001 s	
...er>ToolBarController.handleMouseUp	1	0.001 s	0.001 s	
...gt;ToolBarController.get.ToolTipTimer	1	0.007 s	0.001 s	
@timer/private/isJavaTimer	1	0.001 s	0.001 s	
FadeTimer>FadeTimer.stop	1	0.005 s	0.001 s	
ControlsGroup>ControlsGroup.set.Anchor	1	0.002 s	0.002 s	
FadeGroup>FadeGroup.doUpdate	1	0.000 s	0.000 s	
Backdrop>Backdrop.doUpdate	1	0.008 s	0.005 s	
FadeTimer>@(e,d)this.fade	1	0.003 s	0.001 s	
...GeneralPrefs.getHierarchicalChildren	1	0.000 s	0.000 s	

...k.EditorPrefs.getHierarchicalChildren	1	0.000 s	0.000 s	
...odelFilePrefs.getHierarchicalChildren	1	0.000 s	0.000 s	
...ler>@(e,d)obj.handleMouseDown(e,d)	1	0.002 s	0.001 s	
...>ToolBarController.handleMouseDown	1	0.001 s	0.001 s	
...oller>@(e,d)obj.handleMouseUp(e,d)	1	0.002 s	0.001 s	
get_new_training_data	1	0.001 s	0.001 s	
ErrorType>ErrorType.char	1	0.002 s	0.002 s	
MessageService>MessageService.publish	1	0.008 s	0.003 s	
MessageService>localGetThis	1	0.001 s	0.001 s	
ismethod	1	0.002 s	0.002 s	
MessageService>MessageService.doPublish	1	0.002 s	0.002 s	
publish	1	0.010 s	0.001 s	

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