Profile Summary

Generated 12-Feb-2016 20:54:17 using performance time.

Function Name	Calls	Total Time	Self Time*
odem_main	2	14197.054 s	336.284 s
RK4	17120	7970.099 s	297.003 s
RK4>calc_accel	68448	7671.969 s	7658.164 s
Plot_Duck_Shadow	1070	2527.285 s	310.126 s
Kill_Particles_Duck	1070	2218.960 s	2171.588 s
spmd_feval_impl	4277	2130.702 s	0.950 s
...oteSpmdExecutor.isComputationComplete	16982	1998.351 s	8.773 s
...box.distcomp.pmode.SpmdControllerImpl (Java method)	145017	1991.618 s	1991.618 s
spmd_feval	1070	1881.883 s	0.040 s
Update_Nodes	1070	416.095 s	44.652 s
getframe	2137	382.328 s	101.381 s
imwrite	2136	316.025 s	2.650 s
imagesci\private\writepng	2136	312.642 s	0.546 s
imagesci\private\pngwritec (MEX-file)	2136	308.888 s	308.888 s
graphics\private\alternateGetframe	2136	275.483 s	9.453 s
getframeWithDecorations	2136	263.481 s	219.772 s
spmd_feval_fcn	3207	250.697 s	0.598 s
cspice_dskx02	1627014	245.481 s	29.493 s
distributed.gather	1069	216.611 s	0.060 s
distributed.transferPortion	1069	216.321 s	7.683 s
mice (MEX-file)	1664476	186.412 s	186.412 s
distributed.wrapRemoteCall	2138	178.343 s	0.397 s
...ted.distributed>distributed.uminus	1069	104.000 s	0.086 s

Total Time Plot (dark band = self time)
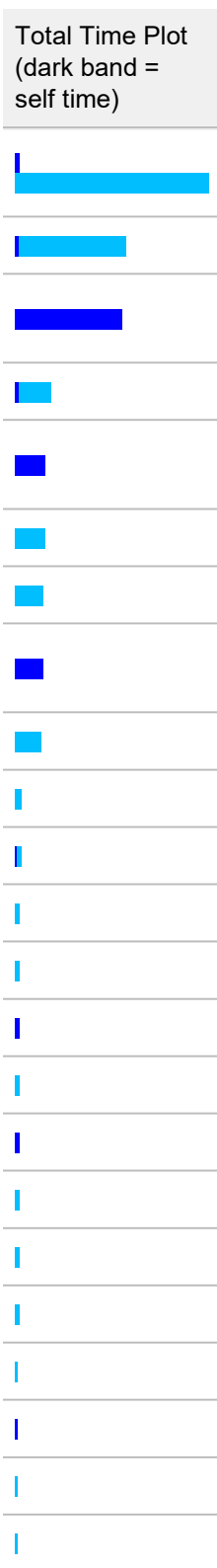
...xecutor>RemoteSpmdExecutor.dispose	12829	99.947 s	4.237 s
dot	6173422	98.789 s	98.789 s
...moteSpmdExecutor.extractReturnParcels	4276	75.429 s	5.272 s
...rtion>iCreateLocalDataForRetrieval	1069	75.096 s	0.018 s
Allocator>Allocator.extractTemplate	1069	74.860 s	0.047 s
Find_Temperature	1314082	74.647 s	22.927 s
...ted.distributed>distributed.isreal	1069	74.476 s	0.047 s
distcompdeserialize (MEX-file)	21380	69.732 s	69.732 s
Composite.subsref	4276	54.248 s	0.503 s
....Composite>Composite.getValOrError	4276	51.678 s	0.093 s
KeyHolder>KeyHolder.getFromLab	4276	50.433 s	0.092 s
...ceSet>RemoteResourceSet.getFromLab	4276	50.277 s	2.508 s
Gas_Production	6378202	42.451 s	42.451 s
...>RemoteResourceSet.remoteRetrieval	4276	39.415 s	4.367 s
....pmode.SingleRemoteEvaluationObserver (Java method)	12914	30.504 s	30.504 s
sun.awt.image.IntegerInterleavedRaster(Java method)	2136	30.263 s	30.263 s
hgfeval	1981	24.697 s	0.198 s
...otionCallback(obj,evd,valueProposed))	1962	24.347 s	0.075 s
...uimode>localEvaluateMotionCallback	1962	24.272 s	0.049 s
...ocalRotateOrbitMotionFcn(rotaObj,evd)	1206	20.915 s	0.034 s
rotate3d>localRotateOrbitMotionFcn	1206	20.881 s	20.744 s
...emoteSpmdExecutor.initiateComputation	4277	19.665 s	0.799 s
KeyHolder>KeyHolder.delete	55588	19.644 s	0.756 s
...>RemoteResourceSet.keyUnreferenced	55588	18.070 s	3.650 s
serialize	8554	16.402 s	1.472 s
...ourceSet>RemoteResourceSet.isValid	162578	14.464 s	4.388 s
...t:AbstractSpmdExecutor.callAssignOuts	4276	14.202 s	0.564 s
RK4>Gravity_Duck	68448	13.804 s	13.804 s

...t;AbstractSpmdExecutor.buildComposite	13897	13.432 s	1.550 s
zzmice_dp	3323563	12.510 s	12.510 s
java.awt.image.BufferedImage(Java method)	6408	12.170 s	12.170 s
distcompserialize64 (MEX-file)	8554	12.084 s	12.084 s
zzmice_int	3255116	12.047 s	12.047 s
...bstractSpmdExecutor.buildNewComposite	13897	11.653 s	2.826 s
...RemoteSpmdExecutor.RemoteSpmdExecutor	8553	11.187 s	1.026 s
Pool.Pool>Pool.get.Connected	175409	10.710 s	0.970 s
zzmice_logical	1627016	9.997 s	9.997 s
Pool.Pool>Pool.hGetIsUsable	179689	9.987 s	9.167 s
RemoteSpmdExecutor>buildController	8553	9.704 s	1.285 s
...eSet>RemoteResourceSet.remoteClear	55588	9.594 s	3.431 s
Find_Temperature>Latent_Heat	6377132	9.459 s	9.459 s
Plot_Particles	1069	7.233 s	0.838 s
...;RemoteResourceSet.buildBlockExecutor	4277	6.620 s	0.478 s
getJavaFutureInterruptibly	8553	6.127 s	3.638 s
scatter3	1069	6.118 s	0.840 s
...r>ResourceSetMgr.chooseResourceSet	4277	5.632 s	0.596 s
AbstractRemote>AbstractRemote.init	13897	5.621 s	3.493 s
getframe>Local_getRectanglesOfInterest	2136	5.464 s	1.861 s
...emoteResourceSet.errorIfSessionClosed	59950	5.168 s	0.249 s
Scatter.doUpdate	1070	5.028 s	3.201 s
...>ResourceSetMgr.pChooseResourceSet	4277	4.617 s	0.241 s
CamPos_Rosetta	1069	3.853 s	0.081 s
...etDevicePixelPositionRelativeToFigure	4272	3.847 s	1.280 s
Plot_Environment	1070	3.773 s	2.657 s
cspice_spkpos	2139	3.706 s	0.106 s
...hworks.toolbox.distcomp.pmode.Session (Java method)	277922	3.566 s	3.566 s
onCleanup>onCleanup.delete	28477	3.552 s	0.976 s

...e>AbstractRemote.isResourceSetOpen	18173	3.230 s	0.797 s
...moteSpmdExecutor.throwBlockExceptions	4276	2.966 s	0.106 s
...SpmdExecutor.makeBlockExceptionCauses	4276	2.860 s	2.485 s
imagesci\private\writepng>parseInputs	2136	2.808 s	2.808 s
getpixelposition	4274	2.569 s	0.321 s
distcompMakeByteBufferHandles (MEX-file)	8554	2.390 s	2.390 s
cspice_axisar	33162	2.375 s	1.225 s
uitools\private\getPixelPositionHelper	4274	2.248 s	2.248 s
hitAxes	635	2.104 s	0.263 s
rotate3d>rotaUpMotionFcn	418	1.919 s	0.144 s
Plot_Skybox	2	1.905 s	0.050 s
KeyHolder>KeyHolder.KeyHolder	55588	1.852 s	1.852 s
onCleanup>onCleanup.onCleanup	28477	1.665 s	1.665 s
Scatter.Scatter>Scatter.Scatter	1069	1.662 s	0.967 s
...stcomp.pmode.RemoteCompositeAssistant (Java method)	59864	1.615 s	1.615 s
...,evd)rotaUpMotionFcn(obj,evd,rotaObj)	359	1.593 s	0.006 s
rotate3d>localFindAxes	421	1.509 s	0.013 s
...t;RemoteSpmdExecutor.errorIfNoSession	16982	1.428 s	1.275 s
deserialize	4276	1.419 s	0.227 s
imread	192	1.373 s	0.071 s
...moteSpmdExecutor.handleKeyFlushErrors	4276	1.362 s	1.234 s
...tionUtils.getDevicePixelOuterPosition	2136	1.356 s	0.243 s
...utor.maybeWarnIfInterruptedAndWaiting	16980	1.343 s	1.228 s
...t;ResourceSetHolder.ResourceSetHolder	22450	1.331 s	1.126 s
...t;changeUnitsToDevicePixelsScopeGuard	4272	1.304 s	0.026 s
...ceSetMgr.chooseResourceSetFromRemotes	3207	1.299 s	0.613 s
newplot	3369	1.292 s	0.436 s
...r>ResourceSetHolder.getResourceSet	98349	1.279 s	0.591 s
PositionUtils>changeUnitsScopeGuard	4272	1.278 s	1.061 s

gcp	4280	1.259 s	0.211 s
Scatter.getXYZDataExtents	1070	1.251 s	0.358 s
getJavaFutureResult	8553	1.248 s	0.793 s
plainCompositeBuilder	9621	1.240 s	0.317 s
getFigureJavaFrame	2136	1.219 s	0.988 s
imagesci\private\readpng	192	1.198 s	0.446 s
isAxesHit	635	1.159 s	0.416 s
...site.errorIfRemoteOperationInProgress	4276	1.152 s	0.083 s
...gt;AbstractResourceSet.errorIfInvalid	12830	1.129 s	0.067 s
Load_ShapeModel	2	1.116 s	0.788 s
packBlockInput	13903	1.062 s	0.130 s
Composite.subsref>iCheckValuesExist	4276	1.003 s	0.094 s
...gt;AbstractRemote.packForTransmission	3207	0.932 s	0.283 s
Composite.Composite>Composite.Composite	9621	0.924 s	0.515 s
Spawn_Particles_MC	1070	0.910 s	0.251 s
zoom>localMotionFcn	205	0.905 s	0.067 s
...etHolder>ResourceSetHolder.isValid	120799	0.890 s	0.890 s
Composite.exist	4276	0.885 s	0.219 s
...;PositionUtils.getDevicePixelPosition	2136	0.868 s	0.192 s
...sourceSet>@()dispose(dummyBlockEx)	4276	0.827 s	0.092 s
zoom>locFindAxes	209	0.735 s	0.006 s
PoolArrayManager>iManipulatePoolArray	12834	0.735 s	0.488 s
imagesci\private\pngreadc (MEX-file)	192	0.720 s	0.720 s
...SetHolder>ResourceSetHolder.delete	22450	0.714 s	0.320 s
findall	668	0.711 s	0.454 s
addpath	9	0.700 s	0.012 s
distcompByteBufferHandles2MxArray (MEX-file)	4276	0.693 s	0.693 s
campos	3205	0.691 s	0.691 s
path	9	0.684 s	0.561 s

...x.distcomp.pmode.FevalLargeDataResult (Java method)	21380	0.679 s	0.679 s
putdowntext	5	0.673 s	0.048 s
...oolArrayManager.getCurrentWithCleanup	4280	0.659 s	0.221 s
CamPos_Stereo	1068	0.656 s	0.122 s
validatestring	6426	0.595 s	0.203 s
...ecutor>AbstractSpmdExecutor.delete	8553	0.592 s	0.086 s
Pool.Pool>Pool.get.NumWorkers	4277	0.575 s	0.264 s
Scatter.Scatter>Scatter.set.CData	2138	0.573 s	0.177 s
....wrapRemoteCall>iErrCheckArguments	2138	0.567 s	0.107 s
imformats	4464	0.566 s	0.213 s
Scatter.cacheLegendIconColors	1070	0.548 s	0.510 s
axesBox	635	0.547 s	0.172 s
ishold	3369	0.539 s	0.539 s
...erPortion>iSubStructForAssignRange	4276	0.538 s	0.280 s
newplot>ObserveAxesNextPlot	3369	0.537 s	0.537 s
interp1	2568	0.536 s	0.498 s
...ributed>distributed.errorIfInvalid	3207	0.533 s	0.022 s
java.util.concurrent.FutureTask (Java method)	17106	0.523 s	0.523 s
...terruptibly>@()future.cancel(true)	8553	0.499 s	0.432 s
arraytolimits	1070	0.483 s	0.483 s
....getRemoteFromSPMD>iGetDistributed	2138	0.478 s	0.188 s
RemoteResourceSet>@()(obs.dispose())	4276	0.473 s	0.287 s
...emote>AbstractRemote.getRawKeyCell	3207	0.465 s	0.422 s
...et>RemoteResourceSet.canAccessLabs	4276	0.463 s	0.042 s
...ed.distributed>distributed.isValid	2138	0.460 s	0.015 s
surf	160	0.450 s	0.036 s
AutoTransfer>iBuildAutoDeref	2138	0.440 s	0.174 s
...emoteResourceSet.satisfiesConstraints	4277	0.437 s	0.041 s
Pool.Pool>Pool.hGetSession	72694	0.420 s	0.420 s

Get_Sun_Distance_and_Direction	1070	0.410 s	0.065 s
BaseRemote>BaseRemote.BaseRemote	9621	0.408 s	0.340 s
...anager>PoolArrayManager.getCurrent	8554	0.406 s	0.110 s
setptr	623	0.399 s	0.399 s
Update_RotMatrix	1072	0.388 s	0.079 s
Scatter.Scatter>Scatter.doSetup	1069	0.387 s	0.387 s
imwrite>get_format_from_filename	2136	0.381 s	0.052 s
cross	127006	0.380 s	0.362 s
axesBox>get_box_in_ndc	635	0.375 s	0.375 s
...tils>@()set(h,unitsProp,origUnits)	4272	0.365 s	0.365 s
Scatter.Scatter>Scatter.set.CData_I	3207	0.361 s	0.321 s
imformats>find_in_registry	4464	0.353 s	0.353 s
...ractSpmdExecutor.AbstractSpmdExecutor	8553	0.351 s	0.351 s
Scatter.Scatter>Scatter.set.XData	1069	0.349 s	0.109 s
...emote>AbstractRemote.saveLoadCount	17106	0.335 s	0.335 s
...bj,evd)rotaUpMotionFcn(obj,evd,rdata)	59	0.335 s	0.003 s
RemoteSpmdExecutor>cleanupHelper	8554	0.334 s	0.293 s
strcat	2136	0.327 s	0.294 s
Scatter.Scatter>Scatter.set.YData	1069	0.322 s	0.099 s
Scatter.Scatter>Scatter.set.SizeData	1069	0.320 s	0.098 s
Scatter.Scatter>Scatter.set.Marker	1069	0.320 s	0.098 s
Find_Activity	1070	0.319 s	0.090 s
newplot>ObserveFigureNextPlot	3369	0.319 s	0.319 s
Scatter.Scatter>Scatter.set.ZData	1069	0.318 s	0.097 s
distcompserialize (MEX-file)	4276	0.306 s	0.306 s
int2str	2904	0.300 s	0.300 s
rotate3d	3	0.295 s	0.004 s
zoom>local3DButtonMotionFcn	133	0.290 s	0.203 s
...istributed>distributed.distributed	2138	0.289 s	0.270 s

...backFcn>localModeWindowButtonUpFcn	5	0.286 s	0.006 s
Surface.Surface>Surface.Surface	160	0.284 s	0.046 s
uimode.modeWindowButtonUpFcn	5	0.280 s	0.029 s
AutoDeref>AutoDeref.AutoDeref	2138	0.266 s	0.236 s
specgraph\private\nextstyle	1069	0.259 s	0.259 s
substruct	4276	0.259 s	0.259 s
cspice_pxform	1072	0.258 s	0.042 s
...te.Composite>Composite.pPostKeySet	9621	0.250 s	0.250 s
parseplotapi	1229	0.249 s	0.060 s
uiopen	1	0.246 s	0.008 s
...tter>Scatter.set.SelectionHandle_I	1069	0.245 s	0.236 s
...pmdExecutor.restoreRemoteSaveWarnings	4277	0.242 s	0.242 s
ismember	6603	0.241 s	0.051 s
Pool.Pool>Pool.get.SpmdEnabled	4277	0.240 s	0.032 s
validatestring>checkString	6426	0.237 s	0.237 s
open	1	0.231 s	0.007 s
...cel>ReturnableParcel.getFactoryFcn	55588	0.229 s	0.229 s
...pmdExecutor.disableRemoteSaveWarnings	4277	0.229 s	0.229 s
Allocator>Allocator.create	1069	0.217 s	0.010 s
Scatter.Scatter>Scatter.get.ZData	3210	0.217 s	0.162 s
closereq	2	0.216 s	0.199 s
activateuimode	5	0.212 s	0.004 s
Allocator>iCreateShared	1069	0.207 s	0.173 s
...AbstractResourceSet.incrementRefCount	22450	0.205 s	0.205 s
general\private\openm	1	0.202 s	0.002 s
zoom	2	0.202 s	0.012 s
edit	1	0.200 s	0.003 s
isAxesHit>isPlaneHit	1020	0.196 s	0.031 s
spmd_feval_fcn>get_f	3207	0.196 s	0.196 s

KeyHolder>KeyHolder.isValid	59864	0.192 s	0.192 s
preprocessextents	1070	0.191 s	0.191 s
...AbstractResourceSet.decrementRefCount	22450	0.191 s	0.191 s
ismember>ismemberR2012a	6603	0.190 s	0.110 s
...ager>uimodemanager.set.CurrentMode	5	0.190 s	0.001 s
uimodemanager.uimodemanager>localSetMode	5	0.189 s	0.006 s
...ntrol>localModeWindowButtonDownFcn	5	0.186 s	0.002 s
uimode.modeWindowButtonDownFcn	5	0.184 s	0.026 s
edit>openWithFileSystem	2	0.182 s	0.001 s
scatter3>parseargs	1069	0.182 s	0.080 s
uigetmodemanager	53	0.180 s	0.158 s
...arcel>ReturnableParcel.getUserData	55588	0.179 s	0.179 s
uimode.uimode>uimode.set.Enable	9	0.176 s	0.002 s
edit>openEditor	1	0.176 s	0.003 s
uimode.modeControl	9	0.171 s	0.005 s
Scatter.getColorAlphaDataExtents	1070	0.170 s	0.091 s
distributed.issparse	1069	0.170 s	0.011 s
...catter>Scatter.get.MarkerFaceColor	2140	0.168 s	0.128 s
distributed.classUnderlying	1069	0.168 s	0.008 s
Document.Document>Document.openEditor	1	0.166 s	0.002 s
usev6plotapi	1229	0.165 s	0.165 s
isPointInPolygon	1020	0.165 s	0.046 s
ReturnableParcel>ReturnableParcel.getKey	55588	0.164 s	0.164 s
Document.Document>openEditorViaFunction	1	0.163 s	0.004 s
rotate3d>setState	3	0.163 s	0.006 s
Scatter.Scatter>Scatter.set.CDataMode	2138	0.161 s	0.134 s
Scatter.Scatter>Scatter.get.XData	2140	0.160 s	0.119 s
...cument>@(file)jea.openEditor(file)	1	0.157 s	0.001 s
...ks.mde.editor.MatlabEditorApplication (Java method)	1	0.156 s	0.156 s

validatestring>checkInputs	6426	0.155 s	0.155 s
rotate3d>locGetMode	6	0.153 s	0.003 s
camva	1069	0.152 s	0.152 s
ctorHelper	1229	0.148 s	0.108 s
getfield	2136	0.147 s	0.147 s
...catter>Scatter.get.MarkerEdgeColor	2140	0.147 s	0.114 s
Scatter.Scatter>Scatter.get.CData	2140	0.138 s	0.103 s
rotate3d>mappingFunction	1206	0.137 s	0.137 s
Scatter.Scatter>Scatter.set.XData_I	1069	0.135 s	0.120 s
...>showHiddenHandlesToFindAllHandles	668	0.131 s	0.131 s
Scatter.Scatter>Scatter.set.Marker_I	1069	0.130 s	0.116 s
...@(obj,evd)(hObj.sendDataChangedEvent)	4276	0.128 s	0.128 s
rotate3d>getStyle	3	0.128 s	0.003 s
Scatter.Scatter>Scatter.get.YData	2140	0.127 s	0.099 s
Scatter.Scatter>Scatter.set.SizeData_I	1069	0.126 s	0.112 s
Scatter.Scatter>Scatter.set.YData_I	1069	0.126 s	0.112 s
Scatter.Scatter>Scatter.set.ZData_I	1069	0.125 s	0.111 s
general\private\parsedirs	18	0.123 s	0.122 s
Scatter.Scatter>Scatter.set.MarkerHandle	1069	0.122 s	0.108 s
...,evd)rotaButtonUpFcn(obj,evd,rotaObj)	3	0.119 s	0.001 s
...;isa(x{1},'spmdlang.SendableParcel')	13903	0.118 s	0.118 s
...rcel>SendableParcel.SendableParcel	3207	0.118 s	0.118 s
rotate3d>rotaButtonUpFcn	3	0.118 s	0.013 s
...mote>AbstractRemote.AbstractRemote	13897	0.118 s	0.118 s
imwrite>validateSizes	2136	0.117 s	0.084 s
Spawn_Particles_MC>Initial_Velocity	1070	0.111 s	0.043 s
graph2d\private\fixtoolbar	5	0.109 s	0.002 s
Create_Figure	2	0.109 s	0.078 s
parseparams	1229	0.107 s	0.107 s

isprop	635	0.107 s	0.036 s
Scatter.Scatter>Scatter.set.XDataMode	1069	0.105 s	0.089 s
imagesci\private\imftype	192	0.102 s	0.020 s
camtarget	1069	0.101 s	0.101 s
getuimode	13	0.100 s	0.007 s
Surface.Surface>Surface.doSetup	160	0.098 s	0.098 s
Scatter.Scatter>Scatter.set.YDataMode	1069	0.098 s	0.083 s
Scatter.Scatter>Scatter.set.ZDataMode	1069	0.096 s	0.082 s
Scatter.Scatter>Scatter.set.SizeDataMode	1069	0.096 s	0.082 s
rotate3d>locValidateAxes	421	0.094 s	0.047 s
Scatter.Scatter>Scatter.set.MarkerMode	1069	0.093 s	0.079 s
rotate3d>localCreateUndo	3	0.090 s	0.003 s
camzoom	131	0.087 s	0.087 s
zoom>local3DButtonUpFcn	2	0.086 s	0.009 s
specgraph\private\datachk	5345	0.085 s	0.085 s
spmd_feval_fcn>assign_outputs	3207	0.084 s	0.084 s
zoom>localSetZoomState	2	0.084 s	0.001 s
zoom>locGetMode	2	0.082 s	0.014 s
...oCleanup(oldJFWarning,lastmsg,lastid)	2136	0.082 s	0.028 s
getParallelFunctionDepth	4276	0.081 s	0.032 s
...oolbox.distcomp.pmode.SpmdBlockResult (Java method)	17104	0.080 s	0.080 s
isInvalidInLogScale	3210	0.079 s	0.041 s
...(x)(isequal(rs.getResourceSet(x{1})))	3207	0.079 s	0.063 s
ismember>ismemberBuiltinTypes	6600	0.075 s	0.075 s
...,evd)rotaButtonDownFcn(obj,evd,rdata)	3	0.075 s	0.001 s
Scatter.Scatter>Scatter.get.CData_I	5347	0.075 s	0.075 s
rotate3d>rotaButtonDownFcn	3	0.074 s	0.021 s
Scatter.Scatter>Scatter.get.Marker	1070	0.074 s	0.059 s
...catter>Scatter.get.MarkerFaceAlpha	1070	0.072 s	0.054 s

isprop>hasProp	635	0.071 s	0.071 s
...catter>Scatter.get.SelectionHandle	5347	0.070 s	0.034 s
Scatter.Scatter>Scatter.get.ZData_I	4279	0.069 s	0.069 s
hggetbehavior	557	0.069 s	0.013 s
zzmice_str	12853	0.067 s	0.067 s
graph2d\private\plotSelectMode	6	0.066 s	0.022 s
Scatter.Scatter>Scatter.get.SizeData	1070	0.065 s	0.051 s
...set(rootobj,'ShowHiddenHandles',Temp)	668	0.065 s	0.065 s
plotedit>localGetMode	5	0.065 s	0.005 s
...catter>Scatter.get.MarkerEdgeAlpha	1070	0.064 s	0.049 s
isPointInPolygon>perpdot	4080	0.062 s	0.016 s
ResourceSetMgr>ResourceSetMgr.getMgr	4277	0.062 s	0.062 s
Find_Bin_MassFraction	2	0.061 s	0.020 s
zoom>localWindowButtonDownFcn	2	0.061 s	0.004 s
Sizes>Sizes.removeTrailingOnes	2138	0.061 s	0.027 s
uimode	6	0.061 s	0.008 s
Scatter.Scatter>Scatter.get.LineWidth	1070	0.060 s	0.046 s
rotate3d>@(~,~)localDoRotateOn(rdata)	3	0.059 s	0.001 s
rotate3d>localDoRotateOn	3	0.058 s	0.005 s
com.mathworks.hg.peer.HG2FigurePeer (Java method)	2143	0.058 s	0.058 s
plotedit	9	0.057 s	0.010 s
Scatter.Scatter>Scatter.get.XData_I	3209	0.057 s	0.057 s
hggetbehavior>localPeek	557	0.055 s	0.055 s
getFigureJavaFrame>doCleanup	2136	0.055 s	0.055 s
uiundo	5	0.053 s	0.005 s
uigettool	18	0.051 s	0.026 s
imagesci\private\ispng	192	0.051 s	0.051 s
cspice_bodvrd	1072	0.051 s	0.024 s
Scatter.Scatter>Scatter.get.MarkerHandle	3209	0.049 s	0.049 s

incrementParallelFunctionDepth	4276	0.049 s	0.049 s
zoom>locValidateAxes	209	0.048 s	0.023 s
zoom>localStartDrag	2	0.044 s	0.004 s
...tter>Scatter.get.SelectionHandle_I	6416	0.044 s	0.044 s
KeyHolder>KeyHolder.getKey	12828	0.043 s	0.043 s
...nager>AxesLayoutManager.getManager	2	0.043 s	0.006 s
cspice_furnsh	1	0.043 s	0.002 s
...imode>uimode.set.WindowButtonUpFcn	11	0.042 s	0.002 s
Scatter.Scatter>Scatter.get.YData_I	3209	0.041 s	0.041 s
...d.wrapRemoteCall>iUnpackAutoDerefs	2138	0.041 s	0.041 s
uimode.setCallbackFcn	21	0.041 s	0.018 s
isFigureShowEnabled	2136	0.041 s	0.041 s
...tter>Scatter.get.MarkerFaceColor_I	2140	0.040 s	0.040 s
ispc	2151	0.040 s	0.040 s
isInvalidInLogScale>basicImpl	3210	0.039 s	0.039 s
mean	1074	0.038 s	0.038 s
...r>Scatter.get.CurrentIconColorInfo	2140	0.038 s	0.038 s
Save_States_GTMAX	108	0.037 s	0.037 s
Composite.length	8552	0.036 s	0.036 s
....CommandManager>CommandManager.add	5	0.034 s	0.005 s
Sizes>Sizes.lastNonSingletonDimension	2138	0.034 s	0.034 s
...tter>Scatter.get.MarkerEdgeColor_I	2140	0.033 s	0.033 s
...Manager>AxesLayoutManager.doUpdate	2	0.033 s	0.022 s
intmax	2136	0.033 s	0.033 s
blanks	2136	0.032 s	0.032 s
setListenerState	110	0.032 s	0.021 s
rotate3d>localRefreshStruct	1	0.031 s	0.009 s
zoom>localZoom	2	0.031 s	0.002 s
...rcel>SendableParcel.getResourceSet	6414	0.030 s	0.030 s

Create_Nodes_Duck_RND	2	0.029 s	0.029 s
getAll	1	0.029 s	0.004 s
...@(o,~)locCommandStackChanged(o,hThis)	5	0.029 s	0.001 s
Scatter.Scatter>Scatter.get.SizeData_I	2139	0.029 s	0.029 s
Gas_Velocity	1070	0.029 s	0.029 s
imwrite>parse_inputs	2136	0.029 s	0.029 s
Scatter.Scatter>Scatter.get.Marker_I	2139	0.028 s	0.028 s
uimode.createuimode	6	0.028 s	0.019 s
FigureToolManager>locCommandStackChanged	5	0.028 s	0.001 s
...>AxesLayoutManager.insertAboveAxes	1	0.028 s	0.012 s
rotate3d>localUICreateDefaultContextMenu	4	0.028 s	0.028 s
Scatter.Scatter>Scatter.get.CDataMode	2138	0.027 s	0.027 s
...tRemote>AbstractRemote.pPostKeySet	4276	0.027 s	0.027 s
rotate3d>@(~,~)localDoRotateOff(rdata)	2	0.027 s	0.000 s
axis	6	0.026 s	0.012 s
rotate3d>localDoRotateOff	2	0.026 s	0.007 s
zoom>localCreate3DUndo	2	0.026 s	0.002 s
getUserDataToSPMD	3207	0.026 s	0.026 s
axescheck	1233	0.025 s	0.025 s
specgraph\private\getRealData	1069	0.025 s	0.025 s
graph2d\private\getProxyValueFromHandle	5	0.025 s	0.012 s
hitAxes>calculateOffset	635	0.024 s	0.024 s
...Mgr>ResourceSetMgr.sIsValidSpmdArg	8554	0.024 s	0.024 s
zoom>localViewAngleUndo	2	0.024 s	0.005 s
initializeView	5	0.024 s	0.001 s
graph2d\private\uigettoolFromModeCache	16	0.023 s	0.004 s
interp1>parseinputs	2568	0.023 s	0.023 s
zoom>localButtonDownFcn3D	2	0.022 s	0.005 s
...anager>uimodemanager.uimodemanager	1	0.022 s	0.010 s

resetplotview	6	0.020 s	0.004 s
zoom>localStartZoom	2	0.020 s	0.003 s
hitAxes>getPointInPixels	635	0.019 s	0.019 s
...tter>Scatter.get.MarkerFaceAlpha_I	1070	0.018 s	0.018 s
ipermute	1070	0.018 s	0.018 s
...ResourceSet.shouldRetryIfFileNotFound	4277	0.018 s	0.018 s
getpref	1	0.018 s	0.005 s
Scatter.Scatter>Scatter.get.Clipping_I	1069	0.017 s	0.017 s
maybeUpdateAttachedFiles	3	0.017 s	0.003 s
FigureToolManager>locUpdateUndoUI	5	0.017 s	0.007 s
zoom>localStopZoom	2	0.016 s	0.002 s
distributed.size	2138	0.016 s	0.016 s
Scatter.Scatter>Scatter.get.XDataMode	1069	0.016 s	0.016 s
interp1>parseValuesV	2568	0.016 s	0.016 s
finfo	1	0.015 s	0.010 s
...tter>Scatter.get.MarkerEdgeAlpha_I	1070	0.015 s	0.015 s
deal	2248	0.015 s	0.015 s
rotate3d>localSetCallbacks	1	0.015 s	0.006 s
Scatter.Scatter>Scatter.get.YDataMode	1069	0.015 s	0.015 s
Scatter.Scatter>Scatter.get.ZDataMode	1069	0.015 s	0.015 s
Scatter.Scatter>Scatter.get.LineWidth_I	1070	0.015 s	0.015 s
RmiMlData.RmiMlData>RmiMlData.getAll	1	0.014 s	0.004 s
allchild	18	0.014 s	0.010 s
Scatter.Scatter>Scatter.get.SizeDataMode	1069	0.014 s	0.014 s
Scatter.Scatter>Scatter.get.MarkerMode	1069	0.014 s	0.014 s
...@(obj,evd)(hObj.sendDataChangedEvent)	480	0.014 s	0.014 s
zoom>localUISetZoomOff	2	0.014 s	0.002 s
gradient	6	0.013 s	0.009 s
...>Surface.doSetup/localZDataChanged	160	0.013 s	0.013 s

axis>LocSetEqual	2	0.013 s	0.010 s
uitools\private\prefutils	5	0.012 s	0.005 s
uiundo>localGetFigureToolManager	5	0.012 s	0.009 s
edit>openInPrivateOfCallingFile	1	0.012 s	0.002 s
uimode.modeControl>localRecoverFigure	4	0.012 s	0.011 s
GP_observation_factor	1070	0.012 s	0.012 s
close	2	0.012 s	0.004 s
...;FileManager.maybeUpdateAttachedFiles	3	0.011 s	0.003 s
uimode.modeControl>localStartMode	5	0.011 s	0.010 s
zoom>localChangeDirection	2	0.011 s	0.001 s
scatter3>Lxyzchk	1069	0.011 s	0.011 s
zoom>localUISetZoomIn	1	0.011 s	0.003 s
spmd_feval>PCTInstalledAndLicensed	1070	0.011 s	0.011 s
saveView	1	0.010 s	0.002 s
Scatter.Scatter>Scatter.get.BrushHandles	1070	0.010 s	0.010 s
parseArgs	2	0.010 s	0.005 s
zoom>localIsZoomOn	2	0.010 s	0.001 s
repmat	110	0.010 s	0.010 s
graph3d\private\surfchk	160	0.010 s	0.010 s
FigureToolManager>locUpdateRedoUI	5	0.010 s	0.004 s
resetplotview>localResetPlotView	6	0.009 s	0.002 s
...esLayoutManager.updateInnerOuterLists	2	0.009 s	0.002 s
canLink	1	0.009 s	0.003 s
isactiveuimode	2	0.009 s	0.002 s
...r.AxesLayoutManager>findTrueParent	1	0.009 s	0.001 s
graph2d\private\scribeCreateMode	1	0.009 s	0.003 s
distributed.ndims	2138	0.009 s	0.009 s
fullfile	2	0.008 s	0.006 s
hasuimode	3	0.008 s	0.002 s

createListener	35	0.008 s	0.008 s
RmiMlData.RmiMlData>RmiMlData.close	2	0.008 s	0.003 s
...ode>@(obj.evd)(localDelete(hThis))	6	0.008 s	0.001 s
...t;AxesLayoutManager.AxesLayoutManager	1	0.008 s	0.002 s
uimodemanager.getMode	21	0.008 s	0.008 s
putdowntext>LSetToolButton	5	0.007 s	0.007 s
scatter3>ColorSpecToRGB	1069	0.007 s	0.007 s
resetplotview>localCreateViewInfo	1	0.007 s	0.004 s
fileparts	12	0.007 s	0.007 s
uimode.registerMode	3	0.007 s	0.002 s
uimode.createuimode>localDelete	6	0.007 s	0.003 s
putdowntext>LGetToolButton	5	0.007 s	0.007 s
...tManager.removeInvalidLayoutListItems	2	0.007 s	0.001 s
specgraph\private\checkpvpairs	1069	0.007 s	0.007 s
...ileManager.getJavaFilesToAddAndUpdate	3	0.006 s	0.005 s
unique	6	0.006 s	0.002 s
zoom>localUISetZoomOut	1	0.006 s	0.001 s
...Mapper>StorageMapper.getStorageFor	1	0.006 s	0.002 s
gcbf	9	0.006 s	0.006 s
hold	4	0.006 s	0.005 s
graph2d\private\scribePinMode	1	0.006 s	0.002 s
...t>AbstractResourceSet.isReferenced	1070	0.006 s	0.006 s
...Manager>AxesLayoutManager.set.Axes	1	0.006 s	0.001 s
zoom>localStoreLimits	2	0.006 s	0.002 s
open>whichWrapper	1	0.006 s	0.006 s
parseArgs>checkOptions	2	0.005 s	0.002 s
uimode.modeControl>localPrepareFigure	5	0.005 s	0.005 s
now	5	0.005 s	0.002 s
cspice_dskp02	2	0.005 s	0.001 s

rotate3d>enableAxesListeners	6	0.005 s	0.003 s
...tColorAlphaDataExtents>istruecolor	1070	0.005 s	0.005 s
isSupportedFile	1	0.005 s	0.002 s
...ayoutManager.enableAxesDirtyListeners	7	0.005 s	0.003 s
cspice_dskv02	2	0.005 s	0.001 s
...er>@(h,e)localReparentCB(h,e,hObj)	2	0.005 s	0.001 s
uimode.modeControl>localEndMode	4	0.005 s	0.002 s
edit>resolveWithFileSystem	2	0.005 s	0.001 s
...Surface.doSetup/localXDataModeChanged	160	0.005 s	0.005 s
...gt;AxesLayoutManager.addAxesListeners	1	0.005 s	0.005 s
rotate3d>localCreateAzElIndicator	3	0.005 s	0.005 s
...mode>uimode.set.WindowFocusLostFcn	1	0.005 s	0.000 s
gradient>parse_inputs	6	0.005 s	0.005 s
ismember>ismemberClassTypes	3	0.005 s	0.005 s
...e>uimode.set.WindowButtonMotionFcn	13	0.005 s	0.001 s
uimode.uimode>uimode.set.ParentMode	3	0.005 s	0.001 s
uimode.uimode>setJavaCallback	1	0.004 s	0.001 s
...Surface.doSetup/localCDataModeChanged	160	0.004 s	0.004 s
...uimodemanager>localScribeclearmode	5	0.004 s	0.002 s
...er>AxesLayoutManager.getParentImpl	461	0.004 s	0.004 s
...Surface.doSetup/localYDataModeChanged	160	0.004 s	0.004 s
cspice_str2et	6	0.004 s	0.003 s
vectorizePlotyyAxes	214	0.004 s	0.004 s
general\private\catdirs	9	0.004 s	0.003 s
uimode.uimode>localReparentMode	3	0.004 s	0.002 s
...ager.addAxesListeners/localReparentCB	2	0.004 s	0.003 s
unique>uniqueR2012a	6	0.004 s	0.004 s
uimode.getuimode	19	0.004 s	0.004 s
uimode.createuimode>localCleanUp	6	0.004 s	0.004 s

...ger>@(obj,evd)(localDelete(hThis))	1	0.004 s	0.001 s
scatter3>Lschk	1069	0.004 s	0.004 s
view	1	0.003 s	0.002 s
uitools\private\prefutils>loadPrefs	1	0.003 s	0.003 s
uimode.uimode>setMotionFcn	13	0.003 s	0.003 s
edit>resolveWithDir	2	0.003 s	0.002 s
uimode.setFigureCallback	1	0.003 s	0.003 s
...t;StorageMapper.getDefaultStorageName	1	0.003 s	0.001 s
edit>hasFileTypeEditor	1	0.003 s	0.000 s
datenum	5	0.003 s	0.003 s
cspice_dlabfs	2	0.003 s	0.002 s
...geMapper>StorageMapper.getInstance	1	0.003 s	0.003 s
uimode.activateuimode	8	0.003 s	0.002 s
strtok	2	0.003 s	0.003 s
uimodemanager.uimodemanager>localDelete	1	0.003 s	0.003 s
graphics\private\hgopengl	2	0.003 s	0.001 s
imread>parse_inputs	192	0.003 s	0.003 s
...ode>uimode.set.WindowButtonDownFcn	5	0.003 s	0.002 s
...t;FigureToolManager.FigureToolManager	1	0.003 s	0.002 s
edit>getFileTypeEditor	1	0.003 s	0.001 s
parseArgs>checkNoDocInternalUseNoOutput	2	0.003 s	0.002 s
...(localDestroyLayoutManager(obj,hObj))	1	0.003 s	0.002 s
...cs.internal.setListenerState(hL,'on')	10	0.003 s	0.001 s
isSidString	3	0.002 s	0.002 s
Cum_Num_Fraction	2	0.002 s	0.002 s
zoom>localSetZoomAppdata	1	0.002 s	0.001 s
uit...vate\prefutils>getFieldOptional	2	0.002 s	0.002 s
edit>openOperator	1	0.002 s	0.000 s
FigureToolManager>getUndoRedoLabel	5	0.002 s	0.002 s

uimodemanager.registerMode	3	0.002 s	0.002 s
...LayoutManager.getSubplotLayoutManager	7	0.002 s	0.002 s
flipud	1	0.002 s	0.001 s
...nd>FunctionCommand.FunctionCommand	5	0.002 s	0.002 s
FileManager>iErrorIfSessionNotRunning	3	0.002 s	0.001 s
scribeclearmode	1	0.002 s	0.002 s
Document.Document>Document.Document	1	0.002 s	0.002 s
edit>strtrim	1	0.002 s	0.002 s
edit>resolveOperator	1	0.002 s	0.001 s
...set(rootobj,'ShowHiddenHandles',Temp)	18	0.002 s	0.002 s
...s.internal.setListenerState(hL,'off')	10	0.002 s	0.000 s
fullfile>ensureTrailingFilesep	1	0.002 s	0.001 s
getActionForFileType	1	0.002 s	0.002 s
absolute_path	1	0.002 s	0.001 s
uimodemanager.unregisterMode	3	0.002 s	0.002 s
...andManager>CommandManager.peekundo	5	0.002 s	0.002 s
...ta.RmiMlData>RmiMlData.getInstance	3	0.002 s	0.002 s
uimode.fireActionPostCallback	5	0.002 s	0.002 s
putdowntext>LInitStateData	1	0.002 s	0.002 s
uimode.fireActionPreCallback	5	0.002 s	0.002 s
RmiMlData.RmiMlData>RmiMlData.discard	2	0.002 s	0.002 s
...futils>checkAndConvertToCellVector	1	0.001 s	0.001 s
axis>allAxes	6	0.001 s	0.001 s
RmiMlData.RmiMlData>RmiMlData.hasChanges	2	0.001 s	0.001 s
graph2d\private\uifindallFromModeCache	8	0.001 s	0.001 s
visibleInToolstrip	1	0.001 s	0.001 s
is2D	3	0.001 s	0.001 s
edit>checkEndsWithBadExtension	1	0.001 s	0.001 s
uimode.uimode>uimode.set.KeyPressFcn	2	0.001 s	0.001 s

edit>isUsingBuiltinEditor	1	0.001 s	0.000 s
pathsep	27	0.001 s	0.001 s
...er.StorageMapper>StorageMapper.get	1	0.001 s	0.001 s
fullfile>addTrailingFileSep	1	0.001 s	0.001 s
FileManager>iIsSessionRunning	3	0.001 s	0.001 s
zoom>localComputeLimits	1	0.001 s	0.001 s
xlsreadSupportedExtensions	1	0.001 s	0.001 s
flip	1	0.001 s	0.001 s
fullfile>refinePath	2	0.001 s	0.001 s
view>isAxesHandle	1	0.001 s	0.001 s
edit>isAbsolutePath	1	0.001 s	0.001 s
...ayoutManager>setInstancePropOnAxes	1	0.001 s	0.001 s
...ayoutManager>addInstancePropToAxes	1	0.001 s	0.001 s
usejava	10	0.001 s	0.001 s
imagesci\private\readpng>parse_args	192	0.001 s	0.001 s
isCompletePath	1	0.001 s	0.001 s
...utManager>AxesLayoutManager.is2Dim	2	0.001 s	0.001 s
graphics\private\hgopengl>resetOptions	2	0.001 s	0.001 s
Document.Document>isAbsolutePath	1	0.001 s	0.001 s
edit>getBooleanPref	1	0.001 s	0.001 s
cspice_dskz02	2	0.001 s	0.001 s
plotedit>isValidActionForOutput	5	0.001 s	0.001 s
open>isFile	2	0.001 s	0.001 s
cspice_dasopr	2	0.001 s	0.001 s
uimode.uimode>uimode.uimode	6	0.001 s	0.001 s
RmiMlData.RmiMlData>RmiMlData.hasData	1	0.001 s	0.001 s
finfo>getExtension	1	0.001 s	0.001 s
edit>translateUserHomeDirectory	1	0.001 s	0.000 s
FileManager>@(x)fda.dependencyExists(x)	3	0.001 s	0.001 s

camproj	2	0.001 s	0.001 s
...mode>uimode.set.UIControlInterrupt	1	0.001 s	0.000 s
parseArgs>checkDoced	2	0.001 s	0.001 s
cool	2	0.001 s	0.001 s
...de>uimode.set.WindowScrollWheelFcn	1	0.001 s	0.001 s
uitools\private\prefutils>getPrefFile	1	0.001 s	0.001 s
...;EditorUtils.getJavaEditorApplication	1	0.001 s	0.001 s
edit>checkJavaAvailable	1	0.001 s	0.001 s
filesep	20	0.001 s	0.001 s
uimode.uimode>uimode.set.UseContextMenu	1	0.001 s	0.000 s
...sLayoutManager.syncLayoutInfoFromAxes	2	0.001 s	0.001 s
FileManager>@(x)java.io.File(x)	3	0.001 s	0.001 s
isOperator	1	0.001 s	0.001 s
edit>isSimpleFile	1	0.001 s	0.001 s
uitools\private\allchildRootHelper	18	0.001 s	0.001 s
uimode.hasuimode	3	0.001 s	0.000 s
finfo>@()warning(avWarnState)	1	0.001 s	0.001 s
Pool.Pool>Pool.hGetFileManager	3	0.001 s	0.001 s
edit>hasExtension	1	0.001 s	0.000 s
...esListeners/localDestroyLayoutManager	1	0.001 s	0.001 s
...>@(obj.evd)(hObj.MarkDirty('all'))	2	0.001 s	0.001 s
...nd>AbstractCommand.AbstractCommand	5	0.001 s	0.001 s
...imode>uimode.set.WindowKeyPressFcn	1	0.001 s	0.000 s
uit...vate\prefutils>truncToMaxLength	2	0.001 s	0.001 s
uimode.uimode>uimode.set.KeyReleaseFcn	1	0.001 s	0.000 s
rotate3d>localConstructEvd	6	0.001 s	0.001 s
uimode.uimode>readOnlyWhileRunning	3	0.001 s	0.001 s
isunix	3	0.000 s	0.000 s
Document.Document>fileNameToJavaFile	2	0.000 s	0.000 s

...ager>CommandManager.CommandManager	1	0.000 s	0.000 s
gra...ivate\hgopengl>resetInfoAndData	2	0.000 s	0.000 s
uimode.uimode>uimode.set.IsOneShot	2	0.000 s	0.000 s
parseArgs>checkNumeric	2	0.000 s	0.000 s
...andManager>CommandManager.peekredo	5	0.000 s	0.000 s
uitools\private\prefutils>checkGroup	1	0.000 s	0.000 s
zoom>localConstructEvd	4	0.000 s	0.000 s
parseArgs>errorIfOutputExpected	2	0.000 s	0.000 s
java.io.File (Java method)	5	0.000 s	0.000 s
...p.pmode.FileDependenciesAssistantImpl (Java method)	3	0.000 s	0.000 s
...utManager>AxesLayoutManager.delete	1	0.000 s	0.000 s
java.util.ArrayList (Java method)	1	0.000 s	0.000 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.