






Profile Summary

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Function Name	Calls	Total Time	Self Time*	Total Time Plot (dark band = self time)
Project_1_Task_2	1	1209.421 s	349.922 s	
shortest_paths	33469	820.830 s	339.836 s	
matlab_bgl\private\matlab_bgl_sp_mex (MEX-file)	33469	477.734 s	477.734 s	
corr	7	29.333 s	0.033 s	
corr>corrPearson	7	29.245 s	29.245 s	
xlswrite	1	5.762 s	0.014 s	
actxserver	1	3.355 s	3.355 s	
histogram	1	3.147 s	2.344 s	
xlswrite>ExecuteWrite	1	2.340 s	1.346 s	
mat...bgl\private\get_matlab_bgl_options	33469	1.606 s	0.529 s	
matlab_bgl\private\check_matlab_bgl	33469	1.133 s	1.133 s	
set_matlab_bgl_default	33469	1.077 s	1.077 s	
xlswrite>activate_sheet	1	0.582 s	0.582 s	
newplot	3	0.559 s	0.438 s	
matlab_bgl\private\merge_options	33469	0.521 s	0.521 s	
iofun\private\openExcelWorkbook	1	0.359 s	0.295 s	
newplot>ObserveAxesNextPlot	3	0.118 s	0.004 s	
cla	3	0.114 s	0.093 s	
Histogram.Histogram>Histogram.Histogram	1	0.113 s	0.062 s	
clearvars	7	0.098 s	0.040 s	
fullfile	470	0.087 s	0.037 s	

num2str	1407	0.076 s	0.038 s	
parula	1	0.074 s	0.037 s	
addpath	1	0.060 s	0.007 s	
hggetbehavior	2	0.060 s	0.001 s	
hggetbehavior>localGet	2	0.059 s	0.010 s	
registerevent	1	0.058 s	0.015 s	
parseArgs	7	0.055 s	0.019 s	
histogram>parseinput	1	0.053 s	0.047 s	
path	1	0.052 s	0.039 s	
clearvars>createPattern	7	0.046 s	0.008 s	
xlswrite>calcrange	1	0.044 s	0.022 s	
hgbehaviorfactory	2	0.044 s	0.001 s	
hgbehaviorfactory>localCreate	2	0.043 s	0.033 s	
onCleanup>onCleanup.delete	1	0.040 s	0.002 s	
strjoin	7	0.038 s	0.005 s	
xlswrite>@(\)xlsCleanup(Excel.file)	1	0.038 s	0.003 s	
int2str	1406	0.036 s	0.036 s	
fullfile>refinePath	470	0.036 s	0.015 s	
parseArgs	7	0.036 s	0.015 s	
histcounts	1	0.036 s	0.026 s	
interp1	1	0.036 s	0.023 s	
iofun\private\xlsCleanup	1	0.035 s	0.032 s	
strfun\private\strescape	7	0.033 s	0.031 s	
registerevent>addevent	1	0.023 s	0.023 s	
fullfile>replaceMultipleFileSeps	468	0.021 s	0.021 s	
parseArgs>multistrncmpi	7	0.021 s	0.010 s	
winfun\private\checkeventname	1	0.020 s	0.020 s	

graphics\private\clo	3	0.018 s	0.018 s	
num2cell	1	0.017 s	0.017 s	
iofun\private\dec2base27	1	0.017 s	-0.000 s	
iofun\private\dec2base27>index_to_string	1	0.016 s	0.014 s	
histogram>binspec2cell	1	0.015 s	0.007 s	
fullfile>ensureTrailingFilesep	469	0.014 s	0.004 s	
general\private\parsedirs	2	0.013 s	0.013 s	
rmfield	4	0.013 s	0.009 s	
interp1>parseinputs	1	0.013 s	0.013 s	
clearvars>parseArgs	7	0.012 s	0.012 s	
xlswrite>resetVisibility	1	0.011 s	0.008 s	
fullfile>addTrailingFileSep	469	0.010 s	0.010 s	
fileparts	3	0.010 s	0.009 s	
parseArgs>create@(z)any(strncmpi(s,z,n))	7	0.009 s	0.009 s	
validatestring	6	0.009 s	0.002 s	
ind2rgb	1	0.009 s	0.009 s	
hgbehaviorfactory>localGetBehaviorInfo	2	0.008 s	0.008 s	
axescheck	1	0.006 s	0.006 s	
validatestring>checkString	6	0.005 s	0.005 s	
histcounts>parseinput	1	0.005 s	0.002 s	
specgraph\private\nextstyle	1	0.005 s	0.005 s	
histcounts>integerrule	1	0.005 s	0.005 s	
Histogram.Histogram>Histogram.set.Values	1	0.005 s	0.005 s	
winfun\private\comeventcallback	1	0.005 s	0.005 s	
cellstr	3	0.004 s	0.004 s	
newplot>ObserveFigureNextPlot	3	0.003 s	0.003 s	
graphics\private\claNotify	3	0.003 s	0.003 s	

cell.ismember	1	0.003 s	0.003 s	
num2str>handleNumericPrecision	1	0.002 s	0.000 s	
num2str>convertUsingRecycledSprintf	1	0.002 s	0.002 s	
...(token_1.escapeFcn)escapeFcn(token_1)	7	0.002 s	0.002 s	
parseArgs>@(z)any(strncmpi(s,z,n))	21	0.002 s	0.002 s	
validatestring>checkInputs	6	0.002 s	0.002 s	
Histogram.Histogram>Histogram.set.Face	1	0.002 s	0.002 s	
hggetbehavior>localPeek	2	0.002 s	0.002 s	
...havior>BrushBehavior.BrushBehavior	1	0.002 s	0.001 s	
...r>DataDescriptorBehavior.dosupport	1	0.002 s	0.002 s	
mean	1	0.002 s	0.002 s	
ind2sub	1	0.002 s	0.002 s	
general\private\catdirs	1	0.001 s	0.001 s	
ispc	5	0.001 s	0.001 s	
xlswrite>abspath	1	0.001 s	0.000 s	
Histogram.Histogram>Histogram.set.Edge	1	0.001 s	0.001 s	
Histogram.Histogram>struct2nvpairs	2	0.001 s	0.001 s	
Histogram.Histogram>Histogram.get.Data	1	0.001 s	0.001 s	
HGBehavior>HGBehavior.HGBehavior	2	0.001 s	0.001 s	
BrushBehavior>BrushBehavior.dosupport	1	0.001 s	0.001 s	
pwd	1	0.001 s	0.001 s	
iofun\private\base27dec	1	0.001 s	0.001 s	
iofun\private\dec2base27>calculate_range	1	0.001 s	0.001 s	
xlswrite>create@().xlsCleanup(Excel.file)	1	0.001 s	0.001 s	
onCleanup>onCleanup.onCleanup	1	0.001 s	0.001 s	
...ExcelWorkbook>waitForValidWorkbook	1	0.001 s	0.001 s	
range	1	0.001 s	0.001 s	

linspace	1	0.001 s	0.001 s	
pathsep	3	0 s	0.000 s	
filesep	2	0 s	0.000 s	
iscom	1	0 s	0.000 s	
...togram>Histogram.get.Normalization	1	0 s	0.000 s	
histcounts>getmaxnumbins	1	0 s	0.000 s	
datafun\private\histcountsmex (MEX-file)	1	0 s	0.000 s	
...riptorBehavior.DataDescriptorBehavior	1	0 s	0.000 s	
ishold	1	0 s	0.000 s	
winfun\private\newprogid	1	0 s	0.000 s	
fliplr	1	0 s	0.000 s	
...elWorkbook>WorkbookActivateHandler	1	0 s	0.000 s	
interp1>sanitycheckmethod	1	0 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.