

Profile Summary (Total time: 55.341 s)

Generated 16-Jul-2023 12:58:12 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
Simpsons_rule_Version_2	1	55.341	0.014	
mupadmex (MEX-file)	100232	54.725	54.720	
sym.sym>sym.subsref	10	43.322	0.011	
symfun.symfun>symfun.subsref	3	7.494	0.001	
symfun.feval	3	7.490	0.003	
symfun.feval>evalScalarFun	3	7.481	0.001	
sym.subs	3	7.480	0.002	
sym.subs>mupadsubs	3	7.473	0.001	
sym.vpa	3	3.320	0.001	
sym.sym>sym.sym	77	1.468	0.007	
sym.sym>tomupad	77	1.455	0.008	
sym.subs>normalize	3	1.453	0.003	
sym.subs>@(x)sym(x)	6	1.448	0.001	
sym.sym>numeric2cellstr	14	0.513	0.139	
sym.sym>sym.privBinaryOp	8	0.497	0.004	
sym.sym>sym.times	2	0.491	0.001	
sym.sum	2	0.427	0.003	
sym.sym>sym.privUnaryOp	8	0.423	0.001	
sym.sym>symr	100010	0.373	0.169	
syms	1	0.112	0.012	
clf	1	0.049	0.037	
close	1	0.047	0.003	
sym.disp	2	0.042	0.007	
symfun.symfun>symfun.symfun	2	0.035	0.003	
mupadengine.mupadengine>mupadengine.collectGarbage	2	0.029	0.000	
symfun.symfun>symfun.validateArgNames	2	0.027	0.003	
close>safegetchildren	1	0.026	0.003	
sym.sym>sym.assume	2	0.025	0.001	
sym.sym>privformat	9	0.022	0.001	
sym.sym>privformatmatrix	3	0.021	0.021	
sym.sym>sym.subsasgn	2	0.020	0.003	
setdiff	2	0.019	0.002	
close>request_close	1	0.018	0.003	
setdiff>setdiffR2012a	2	0.017	0.005	
mupadengine.mupadengine>mupadengine.feval_internal	5	0.017	0.002	
attributes	5	0.014	0.003	
validatestring	2	0.013	0.001	
validatestring>checkString	2	0.011	0.002	
sym.size	27	0.011	0.003	
ismember	5	0.010	0.002	

closereq	1	0.009	0.009	
mupadengine.mupadengine>mupadengine.evalin_internal	5	0.009	0.002	
integral	1	0.009	0.001	
sym.numel	22	0.009	0.001	
symfun.symfun>symfun.parseString	2	0.009	0.003	
sym.sym>sym.privsubsasgn	1	0.009	0.003	
graphics\private\clearscribe	1	0.008	0.001	
ismember>ismemberR2012a	5	0.008	0.005	
findall	1	0.007	0.006	
sym.ismember	1	0.007	0.002	
unique	2	0.007	0.004	
funfun\private\integralCalc	1	0.006	0.001	
close>request_close_helper	2	0.006	0.003	
mupadengine.mupadengine>feval2eval	5	0.006	0.004	
sym.sym>sym.isempty	5	0.006	0.001	
attributes>checkInputs	5	0.006	0.002	
sym.sym>sym.privToCell	3	0.005	0.001	
sym.sym>sym.privResolveArgs	113	0.005	0.003	
sym.sym>sym.end	2	0.005	0.001	
funfun\private\integralCalc>vadapt	1	0.005	0.000	
attributes>checkAttrs	5	0.004	0.002	
sym.reshape	2	0.004	0.002	
sym.plus	4	0.004	0.001	
sym.sym>sym.delete	77	0.004	0.004	
funfun\private\integralCalc>iterateScalarValued	1	0.004	0.002	
generateArgumentDescriptor	5	0.004	0.003	
sym.unique	2	0.004	0.002	
allchild	1	0.003	0.002	
sym.sym2cell	1	0.003	0.000	
unique>uniqueR2012a	2	0.003	0.003	
sym.sym>sym.any	1	0.003	0.000	
sym.sym>sym.length	9	0.003	0.001	
sym.sym>sym.isNullObjOrSeq	5	0.003	0.001	
mat2str	1	0.003	0.003	
sym.sym>sym.extractCreationTimeDigits	2	0.003	0.002	
sym.sym>sym.eq	2	0.003	0.001	
num2cell	1	0.003	0.001	
sym.sym>logicalNaNIsFalse	1	0.003	0.001	
symengine	84	0.003	0.003	
sym.sym>sym.mpower	1	0.003	0.000	
sym.horzcat	3	0.002	0.001	
sym.mustBeCompatibleReferenceStruct	3	0.002	0.001	
syms>splitInputsToArgumentsAndControls	1	0.002	0.002	
sym.sym>sym.mtimes	1	0.002	0.000	
sym.sym>sym.privComparison	2	0.002	0.001	

sym.sym>sym.normalizesym	77	0.002	0.002	
sym.sym>sym.isscalar	6	0.002	0.001	
clearNotify	1	0.002	0.002	
funfun\private\integralParseArgs	1	0.002	0.002	
ismissing	1	0.002	0.000	
sym.transpose	2	0.002	0.000	
ismember>ismemberClassTypes	3	0.002	0.002	
@sym\private\isAllVars	2	0.002	0.001	
sym.sym>sym.logical	4	0.002	0.000	
linspace	1	0.002	0.002	
ismissingKernel	1	0.002	0.001	
attributes>checkClass	5	0.001	0.001	
sym.reshape>checkArg	4	0.001	0.001	
...er>CustomCompactDisplayProvider.CustomCompactDisplayProvider	77	0.001	0.001	
graphics\private\clo	1	0.001	0.001	
...=1),A,'scalartext',fname,'expectedScalartext',msgld,argname,argpos)	2	0.001	0.000	
funfun\private\integralCalc>AtoBInvTransform	1	0.001	0.001	
refresh	1	0.001	0.001	
sym.sym>sym.not	2	0.001	0.000	
ismember>ismemberBuiltinTypes	2	0.001	0.001	
sym.char	3	0.001	0.000	
digits	2	0.001	0.000	
str2double	2	0.001	0.001	
sym.subs>tolist	6	0.001	0.001	
int2str	8	0.001	0.001	
attributes>valueAttributor	2	0.001	0.001	
findall>showHiddenHandlesToFindAllHandles	1	0.001	0.001	
vpa	1	0.001	0.000	
funfun\private\integralCalc>split	1	0.001	0.001	
sym.sym>convertChar	6	0.001	0.001	
symfun.symfun>symfun.formula	3	0.001	0.000	
attributes>findSupportedAttr	2	0.001	0.001	
syms>mustBeCompatibleControl	1	0.001	0.001	
sym.sym>privformatscalar	6	0.001	0.000	
...sym>@(x)isscalar(x)&&isnumeric(x)&&x==round(x)&&isfinite(x)&&x>0	8	0.001	0.001	
validatestring>checkInputs	2	0.001	0.001	
close>checkfigs	2	0.001	0.001	
sym.sqrt	1	0.001	0.000	
sym.cos	1	0.001	0.000	
gcbf	2	0.000	0.000	
ismissingKernel>arraySwitch	1	0.000	0.000	
sym.sym>sym.isMathematicalConstant	2	0.000	0.000	
allchild>getchildren	1	0.000	0.000	
findall>@()set(rootobj,'ShowHiddenHandles',Temp)	1	0.000	0.000	
generateArgumentDescriptor>isCharOrString	15	0.000	0.000	

close>@()set(0,'ShowHiddenHandles',oldUDDShowHiddenHandles)	1	0.000	0.000	
allchild>@()set(rootobj,'ShowHiddenHandles',Temp)	1	0.000	0.000	
sym.subs>inputchk	3	0.000	0.000	
deal	2	0.000	0.000	
sym.sym>sym.convertStrings	5	0.000	0.000	
close>getEmptyHandleList	3	0.000	0.000	
uitools\private\allchildRootHelper	1	0.000	0.000	
...isa(x,'string')&&isscalar(x)&&~ismissing(x)) (ischar(x)&&size(x,1)<=1)	2	0.000	0.000	
sym.subs>@(x)[x.s,']	6	0.000	0.000	
syms>isAssumptionOrControlFlag	1	0.000	0.000	
sym.sym>sym.charcmd	9	0.000	0.000	
funfun\private\integralCalc>finalInputChecks	1	0.000	0.000	
Simpsons_rule_Version_2>@(x)sqrt(1+cos(x).^2)	1	0.000	0.000	
sym.subs>isAbstractFun	3	0.000	0.000	
mat2str>isenumeration	1	0.000	0.000	
sym.horzcat>@(x)x.s	3	0.000	0.000	
sym.reshape>@(x)isequal(x,'#COLON')	4	0.000	0.000	
sym.sym>convertName	6	0.000	0.000	
sym.sym>@(t){t}	3	0.000	0.000	
symfun.symfun>symfun.argnames	3	0.000	0.000	
sym.sym>sym.privResolveOutput	26	0.000	0.000	
sym.sym>sym.formula	31	0.000	0.000	
funfun\private\integralParseArgs>validateWaypoints	1	0.000	0.000	
istabular	1	0.000	0.000	
sym.subs>@(x)isa(x,'sym')	3	0.000	0.000	
sym.sym>constantIdents	2	0.000	0.000	
funfun\private\Gauss7Kronrod15	1	0.000	0.000	
funfun\private\integralParseArgs>validateAbsTol	1	0.000	0.000	
symfun.symfun>symfun.delete	2	0.000	0.000	
funfun\private\integralParseArgs>validateArrayValued	1	0.000	0.000	
funfun\private\integralParseArgs>validateRelTol	1	0.000	0.000	

*Self time is the time spent in a function excluding any time spent in child functions. The time includes any overhead time resulting from the profiling process.