

## Profile Summary (Total time: 356.570 s)

Generated 16-Jul-2023 12:18:22 using performance time.

Function Name	Calls	Total Time (s) ↓	Self Time* (s)	Total Time Plot (dark band = self time)
<a href="#">Simpsons_rule</a>	1	356.570	4.159	
<a href="#">symfun.symfun&gt;symfun.subsref</a>	100001	287.036	0.894	
<a href="#">symfun.feval</a>	100001	259.220	4.153	
<a href="#">mupadmex (MEX-file)</a>	2700165	238.652	220.900	
<a href="#">sym.sym&gt;sym.privToCell</a>	100001	134.588	8.521	
<a href="#">symfun.feval&gt;evalScalarFun</a>	100001	103.043	0.481	
<a href="#">sym.subs</a>	100001	94.941	5.225	
<a href="#">sym.size</a>	400014	83.224	11.464	
<a href="#">sym.subs&gt;mupadsubs</a>	100001	83.065	3.217	
<a href="#">sym.sym&gt;sym.subsref</a>	100006	64.409	3.287	
<a href="#">sym.subs&gt;normalize</a>	100001	51.830	7.732	
<a href="#">sym.sym&gt;sym.sym</a>	900058	45.695	9.376	
<a href="#">sym.numeI</a>	200012	38.638	3.990	
<a href="#">sym.sym&gt;sym.privBinaryOp</a>	200005	38.493	3.315	
<a href="#">sym.mustBeCompatibleReferenceStruct</a>	100001	26.922	3.639	
<a href="#">sym.sym&gt;sym.mtimes</a>	100002	25.326	0.300	
<a href="#">sym.sym&gt;sym.length</a>	100007	23.073	0.746	
<a href="#">sym.sym&gt;sym.isscalar</a>	100004	20.590	0.638	
<a href="#">sym.vpa</a>	100002	20.048	2.131	
<a href="#">sym.subs&gt;@(x)sym(x)</a>	200002	18.620	1.655	
<a href="#">sym.plus</a>	100002	16.819	1.418	
<a href="#">sym.sym&gt;sym.delete</a>	900058	16.001	9.940	
<a href="#">sym.sym&gt;tomupad</a>	900058	15.676	4.051	
<a href="#">sym.sym&gt;sym.privResolveArgs</a>	1200073	11.926	4.984	
<a href="#">symengine</a>	900064	8.177	8.177	
<a href="#">symfun.symfun&gt;symfun.formula</a>	100001	7.621	1.441	
<a href="#">sym.sym&gt;sym.normalizesym</a>	900058	7.360	7.360	
<a href="#">attributes</a>	100003	5.120	1.232	
<a href="#">...er&gt;CustomCompactDisplayProvider.CustomCompactDisplayProvider</a>	900058	5.106	5.106	
<a href="#">sym.subs&gt;tolist</a>	200002	3.968	3.448	
<a href="#">sym.sym&gt;privformat</a>	100005	3.379	0.337	
<a href="#">sym.sym&gt;numeric2cellstr</a>	200011	3.164	1.420	
<a href="#">sym.sym&gt;privformatscalar</a>	100004	3.042	0.272	
<a href="#">int2str</a>	100006	2.770	2.770	
<a href="#">attributes&gt;checkInputs</a>	100003	2.690	1.351	
<a href="#">sym.sym&gt;symr</a>	200009	1.744	0.818	
<a href="#">generateArgumentDescriptor</a>	100003	1.339	1.006	
<a href="#">sym.subs&gt;inputchk</a>	100001	1.034	1.034	
<a href="#">attributes&gt;checkClass</a>	100003	0.956	0.956	
<a href="#">sym.subs&gt;isAbstractFun</a>	100001	0.810	0.810	

<a href="#">sym.subs&gt;@(x)[x.s.'.']</a>	200002	0.520	0.520	
<a href="#">sym.sym&gt;@(t){t}</a>	100001	0.409	0.409	
<a href="#">sym.sym&gt;sym.formula</a>	400017	0.398	0.398	
<a href="#">sym.sym&gt;sym.privResolveOutput</a>	300020	0.338	0.338	
<a href="#">generateArgumentDescriptor&gt;isCharOrString</a>	300009	0.333	0.333	
<a href="#">attributes&gt;checkAttrs</a>	100003	0.242	0.240	
<a href="#">symfun.symfun&gt;symfun.argnames</a>	100001	0.211	0.211	
<a href="#">...sym&gt;@(x)isscalar(x)&amp;&amp;isnumeric(x)&amp;&amp;x==round(x)&amp;&amp;isfinite(x)&amp;&amp;x&gt;0</a>	100004	0.125	0.125	
<a href="#">sym.subs&gt;@(x)isa(x,'sym')</a>	100001	0.111	0.111	
<a href="#">syms</a>	1	0.086	0.005	
<a href="#">clf</a>	1	0.038	0.032	
<a href="#">symfun.symfun&gt;symfun.symfun</a>	2	0.033	0.002	
<a href="#">close</a>	1	0.029	0.001	
<a href="#">symfun.symfun&gt;symfun.validateArgNames</a>	2	0.026	0.003	
<a href="#">sym.sym&gt;sym.assume</a>	2	0.024	0.001	
<a href="#">mupadengine.mupadengine&gt;mupadengine.feval_internal</a>	5	0.016	0.002	
<a href="#">close&gt;safegetchildren</a>	1	0.016	0.002	
<a href="#">setdiff</a>	2	0.013	0.002	
<a href="#">validatestring</a>	2	0.013	0.001	
<a href="#">sym_disp</a>	1	0.013	0.005	
<a href="#">close&gt;request_close</a>	1	0.012	0.001	
<a href="#">sym.sym&gt;sym.subsasgn</a>	2	0.012	0.001	
<a href="#">setdiff&gt;setdiffR2012a</a>	2	0.012	0.003	
<a href="#">validatestring&gt;checkString</a>	2	0.011	0.002	
<a href="#">mupadengine.mupadengine&gt;mupadengine.eval_in_internal</a>	5	0.009	0.002	
<a href="#">ismember</a>	5	0.008	0.002	
<a href="#">closereq</a>	1	0.008	0.008	
<a href="#">symfun.symfun&gt;symfun.parseString</a>	2	0.006	0.001	
<a href="#">ismember&gt;ismemberR2012a</a>	5	0.006	0.004	
<a href="#">sym.ismember</a>	1	0.006	0.001	
<a href="#">mupadengine.mupadengine&gt;feval2eval</a>	5	0.006	0.004	
<a href="#">unique</a>	2	0.005	0.003	
<a href="#">graphics\private\clearscribe</a>	1	0.004	0.000	
<a href="#">findall</a>	1	0.004	0.004	
<a href="#">sym.reshape</a>	2	0.004	0.002	
<a href="#">sym.sym&gt;sym.extractCreationTimeDigits</a>	1	0.004	0.002	
<a href="#">sym.sym&gt;sym.privsubsasgn</a>	1	0.004	0.001	
<a href="#">close&gt;request_close_helper</a>	2	0.003	0.001	
<a href="#">sym.unique</a>	2	0.003	0.002	
<a href="#">sym.sym&gt;sym.isNullObjOrSeq</a>	5	0.003	0.001	
<a href="#">unique&gt;uniqueR2012a</a>	2	0.003	0.003	
<a href="#">sym.sym&gt;sym.privUnaryOp</a>	6	0.003	0.001	
<a href="#">sym.sym&gt;sym.eq</a>	2	0.003	0.000	
<a href="#">sym.sym&gt;sym.any</a>	1	0.002	0.000	
<a href="#">sym.sym&gt;logicalNaNIsFalse</a>	1	0.002	0.000	

<a href="#">sym.horzcat</a>	3	0.002	0.001	
<a href="#">sym.sym&gt;sym.privComparison</a>	2	0.002	0.001	
<a href="#">sym.transpose</a>	2	0.002	0.000	
<a href="#">sym.sym2cell</a>	1	0.002	0.000	
<a href="#">sym.sym&gt;sym isempty</a>	3	0.002	0.001	
<a href="#">sym.sym&gt;sym.mpower</a>	1	0.002	0.000	
<a href="#">sym.sym&gt;sym.logical</a>	4	0.002	0.000	
<a href="#">num2cell</a>	1	0.002	0.000	
<a href="#">str2double</a>	1	0.001	0.001	
<a href="#">sym.reshape&gt;checkArg</a>	4	0.001	0.001	
<a href="#">sym.char</a>	3	0.001	0.001	
<a href="#">@sym\private\isAllVars</a>	2	0.001	0.000	
<a href="#">ismember&gt;ismemberBuiltinTypes</a>	2	0.001	0.001	
<a href="#">ismember&gt;ismemberClassTypes</a>	3	0.001	0.001	
<a href="#">sym.sym&gt;sym.not</a>	2	0.001	0.000	
<a href="#">mupadengine.mupadengine&gt;mupadengine.collectGarbage</a>	1	0.001	0.000	
<a href="#">digits</a>	1	0.001	0.001	
<a href="#">...=1),A,'scalartext',fname,'expectedScalartext',msgld,argname,argpos)</a>	2	0.001	0.000	
<a href="#">mat2str</a>	1	0.001	0.001	
<a href="#">ismissing</a>	1	0.001	0.000	
<a href="#">allchild</a>	1	0.001	0.001	
<a href="#">attributes&gt;valueAttributor</a>	2	0.001	0.001	
<a href="#">attributes&gt;findSupportedAttr</a>	2	0.001	0.001	
<a href="#">sym.sym&gt;convertChar</a>	6	0.001	0.000	
<a href="#">ismissingKernel</a>	1	0.001	0.000	
<a href="#">clearNotify</a>	1	0.001	0.001	
<a href="#">validatestring&gt;checkInputs</a>	2	0.001	0.001	
<a href="#">syms&gt;splitInputsToArgumentsAndControls</a>	1	0.000	0.000	
<a href="#">refresh</a>	1	0.000	0.000	
<a href="#">sym.cos</a>	1	0.000	0.000	
<a href="#">graphics\private\clo</a>	1	0.000	0.000	
<a href="#">deal</a>	2	0.000	0.000	
<a href="#">findall&gt;showHiddenHandlesToFindAllHandles</a>	1	0.000	0.000	
<a href="#">sym.sqrt</a>	1	0.000	0.000	
<a href="#">close&gt;getEmptyHandleList</a>	3	0.000	0.000	
<a href="#">sym.sym&gt;sym.charcmd</a>	9	0.000	0.000	
<a href="#">sym.horzcat&gt;@(x)x.s</a>	3	0.000	0.000	
<a href="#">sym.reshape&gt;@(x)isequal(x,'#COLON')</a>	4	0.000	0.000	
<a href="#">sym.sym&gt;privformatmatrix</a>	1	0.000	0.000	
<a href="#">sym.sym&gt;sym.convertStrings</a>	3	0.000	0.000	
<a href="#">sym.sym&gt;convertName</a>	6	0.000	0.000	
<a href="#">close&gt;checkfigs</a>	2	0.000	0.000	
<a href="#">gcbf</a>	2	0.000	0.000	
<a href="#">ismissingKernel&gt;arraySwitch</a>	1	0.000	0.000	
<a href="#">findall&gt;@()set(rootobj,'ShowHiddenHandles',Temp)</a>	1	0.000	0.000	

<a href="#">...isa(x,'string')&amp;&amp;isscalar(x)&amp;&amp;~ismissing(x)) (ischar(x)&amp;&amp;size(x,1)&lt;=1)</a>	2	0.000	0.000	
<a href="#">istabular</a>	1	0.000	0.000	
<a href="#">syms&gt;mustBeCompatibleControl</a>	1	0.000	0.000	
<a href="#">close&gt;@()set(0,'ShowHiddenHandles',oldUDDShowHiddenHandles)</a>	1	0.000	0.000	
<a href="#">sym.sym&gt;sym.isMathematicalConstant</a>	2	0.000	0.000	
<a href="#">mat2str&gt;isenumeration</a>	1	0.000	0.000	
<a href="#">allchild&gt;getchildren</a>	1	0.000	0.000	
<a href="#">symfun.symfun&gt;symfun.delete</a>	3	0.000	0.000	
<a href="#">allchild&gt;@()set(rootobj,'ShowHiddenHandles',Temp)</a>	1	0.000	0.000	
<a href="#">syms&gt;isAssumptionOrControlFlag</a>	1	0.000	0.000	
<a href="#">uitools\private\allchildRootHelper</a>	1	0.000	0.000	
<a href="#">sym.sym&gt;constantIdents</a>	2	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.