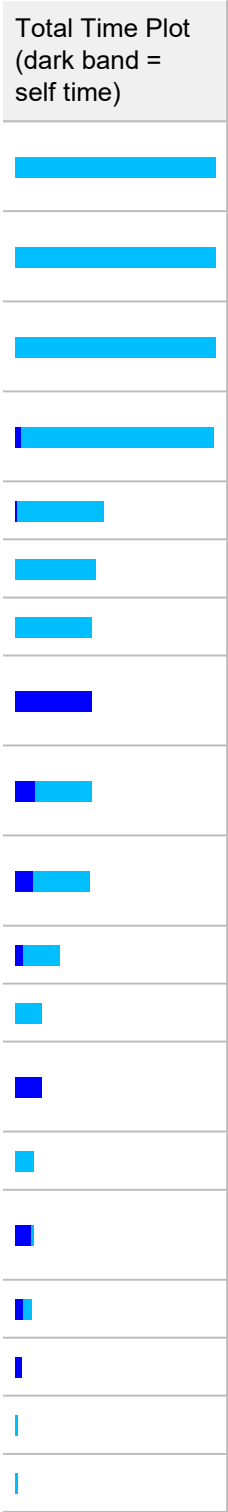


# Profile Summary

Generated 13-Jun-2020 13:22:31 using performance time.

<a href="#">Function Name</a>	<a href="#">Calls</a>	<a href="#">Total Time</a>	<a href="#">Self Time*</a>
<a href="#">main_obj_comparison</a>	1	1625.537 s	0.056 s
<a href="#">optimization_M_one_against_one_BCD</a>	10	1625.144 s	0.002 s
<a href="#">...n_M_one_against_one_binary_R_Block_CD</a>	10	1625.141 s	0.023 s
<a href="#">...tion_M_MLjournal_subgraph_1sbb2f_time</a>	10	1625.111 s	56.633 s
<a href="#">linprog</a>	40633	718.595 s	14.727 s
<a href="#">...riorPoint&gt;LinprogInteriorPoint.run</a>	40633	644.130 s	0.731 s
<a href="#">iplp</a>	40633	620.568 s	1.525 s
<a href="#">optim\private\interiorPointLPmex</a> (MEX-file)	40633	613.848 s	613.848 s
<a href="#">...lock_ns_cell_MLjournal_subgraph_gs_ws</a>	20000	612.794 s	155.164 s
<a href="#">...ock_ns_cell_MLjournal_subgraph_gs_ws2</a>	20000	596.256 s	138.568 s
<a href="#">...ns_cell_MLjournal_subgraph_FULL_gs_ws</a>	10	353.045 s	66.133 s
<a href="#">gurobi_test</a>	32	219.970 s	1.544 s
<a href="#">gurobi</a> (MEX-file)	32	218.424 s	218.424 s
<a href="#">optimization_M_NR</a>	20665	144.426 s	0.276 s
<a href="#">optimization_M_gamma_M_lc</a>	41331	138.264 s	124.575 s
<a href="#">optimization_M_scalars</a>	1910	115.542 s	57.305 s
<a href="#">optimization_M_jobpcg</a>	1920	58.850 s	55.299 s
<a href="#">...edLinear.performExitflagAndMsgActions</a>	40633	22.831 s	0.697 s
<a href="#">...eneralizedLinear.createExitflagAndMsg</a>	40633	20.514 s	5.241 s



<a href="#">optimoptions</a>	40643	18.632 s	0.417 s
<a href="#">createSolverOptions</a>	40643	18.215 s	3.957 s
<a href="#">SolverOptions&gt;SolverOptions.setProperty</a>	243818	16.780 s	1.531 s
<a href="#">...t&gt;LinprogInteriorPoint.getExitInfo</a>	40633	15.272 s	1.324 s
<a href="#">Linprog&gt;Linprog.Linprog</a>	40643	14.258 s	0.452 s
<a href="#">...ithm&gt;MultiAlgorithm.MultiAlgorithm</a>	40643	13.806 s	0.277 s
<a href="#">dml_step_size_gradient</a>	41331	13.689 s	2.166 s
<a href="#">...ptions&gt;SolverOptions.SolverOptions</a>	40643	13.529 s	4.771 s
<a href="#">fD1</a>	41331	11.524 s	11.524 s
<a href="#">...lizedLinear.getOptionValueAndFeedback</a>	81266	11.030 s	4.334 s
<a href="#">checkfield</a>	243838	10.457 s	3.135 s
<a href="#">...dLinear&gt;GeneralizedLinear.checkRun</a>	40633	9.216 s	0.326 s
<a href="#">...rithm&gt;MultiAlgorithm.set.Algorithm</a>	40643	8.747 s	3.862 s
<a href="#">...ear&gt;GeneralizedLinear.checkProblem</a>	40633	8.682 s	0.357 s
<a href="#">checkfield&gt;prepareStringValue</a>	243838	6.639 s	0.863 s
<a href="#">dml_gradient</a>	21229	6.211 s	6.211 s
<a href="#">prepareOptionsForSolver</a>	40633	6.066 s	0.344 s
<a href="#">optimization_M_gamma_M_lc_NR</a>	31	5.886 s	2.416 s
<a href="#">num2str</a>	81370	5.536 s	1.044 s
<a href="#">checkbounds</a>	81266	5.297 s	5.297 s
<a href="#">...&gt;SolverOptions.setPropertyNoChecks</a>	243838	4.795 s	4.795 s
<a href="#">...SolverOptions.extractOptionsStructure</a>	81266	4.634 s	0.713 s
<a href="#">num2str&gt;handleNumericPrecision</a>	81328	4.490 s	0.324 s
<a href="#">Linprog&gt;Linprog.set.Diagnostics</a>	40633	4.180 s	0.899 s
<a href="#">num2str&gt;convertUsingRecycledSprintf</a>	81328	4.166 s	4.166 s
<a href="#">...Linprog.extractCustomOptionsStructure</a>	81266	3.921 s	0.553 s
<a href="#">checkLinearConstraints</a>	40633	3.883 s	0.656 s
<a href="#">optimget</a>	365697	3.711 s	1.504 s
<a href="#">dml_step_size_NR</a>	31	3.470 s	0.562 s



<a href="#">Linprog&gt;Linprog.set.Display</a>	40643	3.449 s	0.659 s
<a href="#">checkBoundConstraints</a>	40633	3.430 s	0.519 s
<a href="#">...gorithm.extractCustomOptionsStructure</a>	81266	3.368 s	1.978 s
<a href="#">Linprog&gt;Linprog.createAlgorithm</a>	40633	3.143 s	1.942 s
<a href="#">+algorithm\private\createCSHLinks</a>	162532	2.918 s	2.918 s
<a href="#">fD1_second</a>	31	2.908 s	2.908 s
<a href="#">checkfield&gt;isCaseSensitiveField</a>	243838	2.889 s	0.941 s
<a href="#">checkfield&gt;deblankString</a>	121919	2.888 s	0.552 s
<a href="#">rmfield</a>	81267	2.817 s	2.817 s
<a href="#">...ons&gt;SolverOptions.convertForSolver</a>	40633	2.771 s	2.771 s
<a href="#">Linprog&gt;Linprog.set.TolCon</a>	40633	2.679 s	0.606 s
<a href="#">Linprog&gt;Linprog.set.MaxIter</a>	40633	2.633 s	0.571 s
<a href="#">dml_obj</a>	21613	2.580 s	2.580 s
<a href="#">Linprog&gt;Linprog.set.TolFun</a>	40633	2.378 s	0.575 s
<a href="#">strip</a>	121919	2.336 s	1.860 s
<a href="#">optimget&gt;optimgetfast</a>	365697	2.207 s	2.207 s
<a href="#">mean</a>	174518	2.089 s	1.704 s
<a href="#">isoptimargdbl</a>	162532	2.046 s	2.046 s
<a href="#">checkLinearConstraints&gt;i_isSolver</a>	40633	2.003 s	0.243 s
<a href="#">cell.ismember</a>	243838	1.947 s	1.947 s
<a href="#">SolverOptions&gt;SolverOptions.isSetByUser</a>	325064	1.787 s	1.787 s
<a href="#">createProblemStruct</a>	40633	1.759 s	1.759 s
<a href="#">cond</a>	174645	1.465 s	1.465 s
<a href="#">iplp&gt;i_unwrapInternalOptions</a>	40633	1.379 s	0.333 s
<a href="#">+algorithm\private\removeHTMLTags</a>	40633	1.335 s	1.335 s
<a href="#">...rogInteriorPoint.LinprogInteriorPoint</a>	40633	0.983 s	0.856 s
<a href="#">checkLinearObjective</a>	40633	0.868 s	0.416 s
<a href="#">optimization_M_initialization</a>	10	0.617 s	0.617 s
<a href="#">checkfield&gt;stringsType</a>	121919	0.416 s	0.416 s



<a href="#">mean&gt;mysize</a>	174518	0.385 s	0.385 s
<a href="#">...Constraints&gt;i_checkConstraintSizes</a>	40633	0.369 s	0.369 s
<a href="#">iplp&gt;i_createOutputStructure</a>	40633	0.365 s	0.365 s
<a href="#">str...te\convertStringToOriginalTextType</a>	121919	0.342 s	0.342 s
<a href="#">Linprog&gt;Linprog.get.Display</a>	40665	0.287 s	0.287 s
<a href="#">Linprog&gt;Linprog.get.TolFun</a>	40633	0.279 s	0.279 s
<a href="#">...nts&gt;i_ensureEmptyConHasCorrectSize</a>	40633	0.246 s	0.246 s
<a href="#">...inear&gt;GeneralizedLinear.getNumVars</a>	81266	0.243 s	0.243 s
<a href="#">Linprog&gt;Linprog.get.TolCon</a>	40633	0.233 s	0.233 s
<a href="#">...rithm&gt;MultiAlgorithm.get.Algorithm</a>	40633	0.218 s	0.218 s
<a href="#">addpath</a>	5	0.210 s	0.006 s
<a href="#">Linprog&gt;Linprog.setInternalOptions</a>	40633	0.208 s	0.208 s
<a href="#">path</a>	5	0.203 s	0.155 s
<a href="#">checkfield&gt;nonNegReal</a>	81286	0.164 s	0.164 s
<a href="#">...t:SolverOptions.replaceSpecialStrings</a>	81266	0.135 s	0.135 s
<a href="#">strfun\private\isTextStrict</a>	121919	0.134 s	0.134 s
<a href="#">...&gt;SolverOptions.mapOptionsForSolver</a>	81266	0.130 s	0.130 s
<a href="#">...t:GeneralizedLinear.GeneralizedLinear</a>	40633	0.127 s	0.127 s
<a href="#">checkLinearConstraints&gt;i_checkRealCoeffs</a>	40633	0.115 s	0.115 s
<a href="#">...hm&gt;MultiAlgorithm.mapAlgorithmName</a>	40643	0.114 s	0.114 s
<a href="#">Linprog&gt;Linprog.checkOptions</a>	40633	0.108 s	0.108 s
<a href="#">checkfield&gt;nonNegInteger</a>	40633	0.102 s	0.102 s
<a href="#">importdata</a>	1	0.090 s	0.003 s
<a href="#">importdata&gt;LocalTextRead</a>	1	0.071 s	0.001 s
<a href="#">importdata&gt;parse</a>	1	0.056 s	0.001 s
<a href="#">general\private\parsedirs</a>	10	0.042 s	0.041 s
<a href="#">importdata&gt;analyze</a>	1	0.037 s	0.001 s
<a href="#">importdata&gt;isvaliddata</a>	1	0.036 s	0.001 s
<a href="#">importdata&gt;maxNotData</a>	1	0.034 s	0.004 s





<a href="#">importdata&gt;isdata</a>	2002	0.030 s	0.030 s
<a href="#">rng</a>	13	0.017 s	0.002 s
<a href="#">importdata&gt;readData</a>	1	0.017 s	0.012 s
<a href="#">finfo</a>	1	0.014 s	0.008 s
<a href="#">crossvalind</a>	1	0.009 s	0.002 s
<a href="#">...tion_M_one_against_one_voting_1_and_2</a>	10	0.008 s	0.004 s
<a href="#">importdata&gt;fixLineEndings</a>	2	0.007 s	0.007 s
<a href="#">optimization_M_LP_A_setting</a>	10	0.007 s	0.007 s
<a href="#">std</a>	30	0.007 s	0.002 s
<a href="#">rng&gt;getCurrentType</a>	13	0.006 s	0.002 s
<a href="#">grp2idx</a>	1	0.006 s	0.000 s
<a href="#">...m.RandStream&gt;RandStream.RandStream</a>	13	0.006 s	0.004 s
<a href="#">strcat</a>	5	0.006 s	0.005 s
<a href="#">grp2idx</a>	1	0.006 s	0.001 s
<a href="#">var</a>	30	0.005 s	0.004 s
<a href="#">fileread</a>	1	0.005 s	0.005 s
<a href="#">...RandStream&gt;localGetSetGlobalStream</a>	26	0.004 s	0.004 s
<a href="#">collectOutput</a>	1	0.004 s	0.000 s
<a href="#">...ons&gt;SolverOptions.setAliasProperty</a>	20	0.004 s	0.001 s
<a href="#">Linprog&gt;Linprog.set.OptimalityTolerance</a>	10	0.004 s	0.001 s
<a href="#">...ization_M_one_against_one_voted_label</a>	10	0.003 s	0.003 s
<a href="#">unique</a>	1	0.003 s	0.002 s
<a href="#">finfo&gt;getExtension</a>	1	0.003 s	0.001 s
<a href="#">get_S_and_D</a>	10	0.003 s	0.003 s
<a href="#">...dStream&gt;RandStream.setGlobalStream</a>	13	0.003 s	0.000 s
<a href="#">fileparts</a>	3	0.003 s	0.002 s
<a href="#">RandStream.RandStream&gt;RandStream.subsref</a>	13	0.002 s	0.002 s
<a href="#">collectOutput&gt;getTypesLengths</a>	1	0.002 s	0.002 s
<a href="#">iofun\private\guessdelim</a>	1	0.002 s	0.002 s



<a href="#">...dStream&gt;RandStream.getGlobalStream</a>	13	0.002 s	0.000 s
<a href="#">grp2idx&gt;toString</a>	1	0.002 s	0.001 s
<a href="#">int2str</a>	42	0.002 s	0.002 s
<a href="#">strtok</a>	1	0.002 s	0.001 s
<a href="#">RandStream.RandStream&gt;getargs</a>	13	0.002 s	0.002 s
<a href="#">general\private\catdirs</a>	5	0.001 s	0.001 s
<a href="#">collectOutput&gt;mergeColumns</a>	1	0.001 s	0.001 s
<a href="#">...tion_M_one_against_one_binary_results</a>	10	0.001 s	0.001 s
<a href="#">strmatch</a>	1	0.001 s	0.001 s
<a href="#">importdata&gt;TrimTrailing</a>	1	0.001 s	0.001 s
<a href="#">strtok&gt;doStrtok</a>	1	0.001 s	0.001 s
<a href="#">Linprog&gt;Linprog.set.ConstraintTolerance</a>	10	0.001 s	0.000 s
<a href="#">optimization_M_oao_vae</a>	10	0.001 s	0.001 s
<a href="#">optimization_M_confusion_matrix_setting</a>	10	0.001 s	0.001 s
<a href="#">intmax</a>	2	0.001 s	0.001 s
<a href="#">importdata&gt;split</a>	1	0.001 s	0.001 s
<a href="#">importdata&gt;getLines</a>	2	0.001 s	0.001 s
<a href="#">optimization_M_gamma_GD</a>	1	0.001 s	0.000 s
<a href="#">ops\private\uniquelegacy</a>	1	0.001 s	0.001 s
<a href="#">RandStream.RandStream&gt;RandStream.algName</a>	13	0.001 s	0.001 s
<a href="#">var&gt;mysize</a>	30	0.001 s	0.001 s
<a href="#">onCleanup&gt;onCleanup.delete</a>	1	0.001 s	0.000 s
<a href="#">RandStream.RandStream&gt;RandStream.delete</a>	13	0.001 s	0.001 s
<a href="#">xlsreadSupportedExtensions</a>	3	0.001 s	0.001 s
<a href="#">Linprog&gt;Linprog.get.MaxTime</a>	32	0.001 s	0.001 s
<a href="#">blanks</a>	5	0.000 s	0.000 s
<a href="#">onCleanup&gt;onCleanup.onCleanup</a>	1	0.000 s	0.000 s
<a href="#">importdata&gt;@(x)(isnan(x))</a>	2	0.000 s	0.000 s
<a href="#">pathsep</a>	15	0.000 s	0.000 s



<a href="#">path&gt;isValidInput</a>	10	0.000 s	0.000 s
<a href="#">ispc</a>	3	0.000 s	0.000 s
<a href="#">filesep</a>	10	0.000 s	0.000 s
<a href="#">finfo&gt;@().warning(avWarnState)</a>	1	0.000 s	0.000 s
<a href="#">optimization_M_oao_oaa_error</a>	10	0.000 s	0.000 s
<a href="#">importdata&gt;LocalRowColShuffle</a>	1	0.000 s	0.000 s
<a href="#">intmin</a>	1	0.000 s	0.000 s
<a href="#">optimization_M_net_error</a>	1	0.000 s	0.000 s
<a href="#">isdatetime</a>	1	0.000 s	0.000 s
<a href="#">isduration</a>	1	0.000 s	0.000 s

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


S.