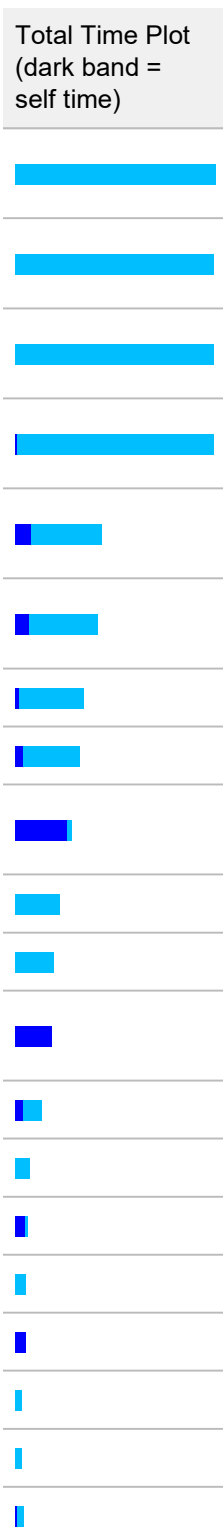


# Profile Summary

Generated 13-Jun-2020 12:54:48 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	157.310 s	0.399 s
<a href="#">optimization_M_one_against_one_BCD</a>	10	156.495 s	0.003 s
<a href="#">...n_M_one_against_one_binary_R_Block_CD</a>	10	156.492 s	0.170 s
<a href="#">...tion_M_MLjournal_subgraph_1sbb2f_time</a>	10	156.279 s	1.341 s
<a href="#">...lock_ns_cell_MLjournal_subgraph_gs_ws</a>	5000	67.582 s	12.420 s
<a href="#">...ock_ns_cell_MLjournal_subgraph_gs_ws2</a>	5000	65.265 s	11.754 s
<a href="#">linprog</a>	11057	53.336 s	3.735 s
<a href="#">optimization_M_scalars</a>	2858	50.474 s	7.032 s
<a href="#">optimization_M_lobpcg</a>	2868	43.981 s	40.798 s
<a href="#">...riorPoint&gt;LinprogInteriorPoint.run</a>	11057	35.414 s	0.179 s
<a href="#">iplp</a>	11057	29.565 s	0.329 s
<a href="#">optim\private\interiorPointLPmex (MEX-file)</a>	11057	27.926 s	27.926 s
<a href="#">...ns_cell_MLjournal_subgraph_FULL_gs_ws</a>	10	20.022 s	5.929 s
<a href="#">optimization_M_NR</a>	6092	10.686 s	0.080 s
<a href="#">optimization_M_gamma_M_lc</a>	12184	9.939 s	8.644 s
<a href="#">gurobi_test</a>	35	7.736 s	0.144 s
<a href="#">gurobi (MEX-file)</a>	35	7.590 s	7.590 s
<a href="#">...edLinear.performExitflagAndMsgActions</a>	11057	5.670 s	0.177 s
<a href="#">optimoptions</a>	11067	5.460 s	0.108 s
<a href="#">createSolverOptions</a>	11067	5.353 s	0.942 s



<a href="#">...eneralizedLinear.createExitflagAndMsg</a>	11057	5.102 s	1.287 s
<a href="#">SolverOptions&gt;SolverOptions.setProperty</a>	66362	4.388 s	0.444 s
<a href="#">...t&gt;LinprogInteriorPoint.getExitInfo</a>	11057	3.815 s	0.341 s
<a href="#">Linprog&gt;Linprog.Linprog</a>	11068	3.522 s	0.114 s
<a href="#">...ithm&gt;MultiAlgorithm.MultiAlgorithm</a>	11068	3.408 s	0.071 s
<a href="#">...ptions&gt;SolverOptions.SolverOptions</a>	11068	3.338 s	1.167 s
<a href="#">...lizedLinear.getOptionValueAndFeedback</a>	22114	2.717 s	1.073 s
<a href="#">checkfield</a>	66382	2.668 s	0.768 s
<a href="#">...rithm&gt;MultiAlgorithm.set.Algorithm</a>	11067	2.112 s	0.964 s
<a href="#">...dLinear&gt;GeneralizedLinear.checkRun</a>	11057	1.910 s	0.080 s
<a href="#">mean</a>	161989	1.860 s	1.503 s
<a href="#">...ear&gt;GeneralizedLinear.checkProblem</a>	11057	1.779 s	0.106 s
<a href="#">checkfield&gt;prepareStringValue</a>	66382	1.731 s	0.228 s
<a href="#">prepareOptionsForSolver</a>	11057	1.457 s	0.084 s
<a href="#">num2str</a>	22218	1.357 s	0.246 s
<a href="#">cond</a>	162122	1.326 s	1.326 s
<a href="#">dml_step_size_gradient</a>	12184	1.295 s	0.188 s
<a href="#">...&gt;SolverOptions.setPropertyNoChecks</a>	66382	1.278 s	1.278 s
<a href="#">...SolverOptions.extractOptionsStructure</a>	22114	1.152 s	0.172 s
<a href="#">num2str&gt;handleNumericPrecision</a>	22176	1.109 s	0.075 s
<a href="#">fD1</a>	12184	1.107 s	1.107 s
<a href="#">Linprog&gt;Linprog.set.Diagnostics</a>	11057	1.103 s	0.239 s
<a href="#">num2str&gt;convertUsingRecycledSprintf</a>	22176	1.035 s	1.035 s
<a href="#">checkLinearConstraints</a>	11057	1.003 s	0.166 s
<a href="#">optimget</a>	99513	1.000 s	0.409 s
<a href="#">Linprog&gt;Linprog.set.Display</a>	11067	0.992 s	0.175 s
<a href="#">...Linprog.extractCustomOptionsStructure</a>	22114	0.980 s	0.135 s
<a href="#">...gorithm.extractCustomOptionsStructure</a>	22114	0.845 s	0.484 s
<a href="#">Linprog&gt;Linprog.createAlgorithm</a>	11057	0.828 s	0.518 s

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<a href="#">checkfield&gt;isCaseSensitiveField</a>	66382	0.762 s	0.244 s
<a href="#">+algorithm\private\createCSHLinks</a>	44228	0.757 s	0.757 s
<a href="#">findSubClasses</a>	1	0.751 s	0.692 s
<a href="#">checkfield&gt;deblankString</a>	33191	0.741 s	0.144 s
<a href="#">rmfield</a>	22115	0.711 s	0.711 s
<a href="#">Linprog&gt;Linprog.set.TolCon</a>	11057	0.709 s	0.164 s
<a href="#">Linprog&gt;Linprog.set.MaxIter</a>	11057	0.706 s	0.157 s
<a href="#">dml_gradient</a>	6872	0.684 s	0.684 s
<a href="#">optimization_M_gamma_M_lc_NR</a>	34	0.667 s	0.243 s
<a href="#">...ons&gt;SolverOptions.convertForSolver</a>	11057	0.657 s	0.657 s
<a href="#">Linprog&gt;Linprog.set.TolFun</a>	11057	0.648 s	0.155 s
<a href="#">strip</a>	33191	0.597 s	0.480 s
<a href="#">optimget&gt;optimgetfast</a>	99513	0.590 s	0.590 s
<a href="#">isoptimargdbl</a>	44228	0.527 s	0.527 s
<a href="#">checkLinearConstraints&gt;i_isSolver</a>	11057	0.527 s	0.070 s
<a href="#">cell.ismember</a>	66382	0.518 s	0.518 s
<a href="#">SolverOptions&gt;SolverOptions.isSetByUser</a>	88456	0.474 s	0.474 s
<a href="#">createProblemStruct</a>	11057	0.457 s	0.438 s
<a href="#">dml_step_size_NR</a>	34	0.424 s	0.044 s
<a href="#">checkBoundConstraints</a>	11057	0.406 s	0.128 s
<a href="#">checkbounds</a>	22114	0.385 s	0.385 s
<a href="#">fD1_second</a>	34	0.379 s	0.379 s
<a href="#">iplp&gt;i_unwrapInternalOptions</a>	11057	0.363 s	0.081 s
<a href="#">mean&gt;mysize</a>	161989	0.357 s	0.357 s
<a href="#">+algorithm\private\removeHTMLTags</a>	11057	0.317 s	0.317 s
<a href="#">dml_obj</a>	7522	0.315 s	0.315 s
<a href="#">...rogInteriorPoint.LinprogInteriorPoint</a>	11057	0.252 s	0.220 s
<a href="#">checkLinearObjective</a>	11057	0.226 s	0.105 s
<a href="#">addpath</a>	5	0.206 s	0.006 s



<a href="#">path</a>	5	0.199 s	0.151 s
<a href="#">importdata</a>	1	0.142 s	0.003 s
<a href="#">importdata&gt;LocalTextRead</a>	1	0.125 s	0.002 s
<a href="#">checkfield&gt;stringsType</a>	33191	0.108 s	0.108 s
<a href="#">ver</a>	2	0.094 s	0.000 s
<a href="#">ver&gt;locGetSingleToolboxInfo</a>	2	0.094 s	0.022 s
<a href="#">...Constraints&gt;i_checkConstraintSizes</a>	11057	0.093 s	0.093 s
<a href="#">importdata&gt;parse</a>	1	0.085 s	0.001 s
<a href="#">str...te\convertStringToOriginalTextType</a>	33191	0.084 s	0.084 s
<a href="#">iplp&gt;i_createOutputStructure</a>	11057	0.084 s	0.084 s
<a href="#">Linprog&gt;Linprog.get.Display</a>	11092	0.074 s	0.074 s
<a href="#">importdata&gt;readData</a>	1	0.071 s	0.067 s
<a href="#">Linprog&gt;Linprog.get.TolFun</a>	11057	0.067 s	0.067 s
<a href="#">Linprog&gt;createOptionsStore</a>	1	0.062 s	0.008 s
<a href="#">...inear&gt;GeneralizedLinear.getNumVars</a>	22114	0.062 s	0.062 s
<a href="#">...nts&gt;i_ensureEmptyConHasCorrectSize</a>	11057	0.060 s	0.060 s
<a href="#">...rithm&gt;MultiAlgorithm.get.Algorithm</a>	11057	0.057 s	0.057 s
<a href="#">Linprog&gt;Linprog.get.TolCon</a>	11057	0.057 s	0.057 s
<a href="#">generateMultiAlgorithmOptionsStore</a>	1	0.054 s	0.027 s
<a href="#">Linprog&gt;Linprog.setInternalOptions</a>	11057	0.051 s	0.051 s
<a href="#">general\private\parsedirs</a>	10	0.042 s	0.042 s
<a href="#">checkfield&gt;nonNegReal</a>	22134	0.038 s	0.038 s
<a href="#">...tion_M_one_against_one_voting_1_and_2</a>	10	0.038 s	0.008 s
<a href="#">...tion_M_one_against_one_binary_results</a>	10	0.037 s	0.037 s
<a href="#">strfun\private\isTextStrict</a>	33191	0.034 s	0.034 s
<a href="#">...t;SolverOptions.replaceSpecialStrings</a>	22114	0.032 s	0.032 s
<a href="#">GamultiobjOptions&gt;genPropInfo</a>	1	0.032 s	0.001 s
<a href="#">...t;GeneralizedLinear.GeneralizedLinear</a>	11057	0.031 s	0.031 s
<a href="#">...&gt;SolverOptions.mapOptionsForSolver</a>	22114	0.030 s	0.030 s





<a href="#">optimization_M_initialization</a>	10	0.030 s	0.030 s
<a href="#">checkLinearConstraints&gt;i_checkRealCoeffs</a>	11057	0.030 s	0.030 s
<a href="#">...hm&gt;MultiAlgorithm.mapAlgorithmName</a>	11067	0.029 s	0.029 s
<a href="#">...ization_M_one_against_one_voted_label</a>	10	0.028 s	0.028 s
<a href="#">Linprog&gt;Linprog.checkOptions</a>	11057	0.026 s	0.026 s
<a href="#">cell.intersect</a>	2	0.026 s	0.007 s
<a href="#">...ptions&gt;GacommonOptions.genPropInfo</a>	2	0.026 s	0.011 s
<a href="#">importdata&gt;fixLineEndings</a>	2	0.023 s	0.023 s
<a href="#">TypeInfo&gt;TypeInfo.fcnEnumType</a>	35	0.023 s	0.012 s
<a href="#">checkfield&gt;nonNegInteger</a>	11057	0.023 s	0.023 s
<a href="#">cell.intersect&gt;cellintersectlegacy</a>	2	0.018 s	0.011 s
<a href="#">rng</a>	13	0.017 s	0.002 s
<a href="#">ver&gt;locParseContentsFiles</a>	2	0.017 s	0.008 s
<a href="#">cell.strcat</a>	4	0.016 s	0.014 s
<a href="#">ver&gt;locGetContentsListFromPath</a>	2	0.014 s	0.003 s
<a href="#">finfo</a>	1	0.014 s	0.007 s
<a href="#">fileread</a>	1	0.013 s	0.013 s
<a href="#">cell.unique</a>	8	0.013 s	0.005 s
<a href="#">importdata&gt;analyze</a>	1	0.011 s	0.000 s
<a href="#">strjoin</a>	35	0.011 s	0.010 s
<a href="#">importdata&gt;isvaliddata</a>	1	0.010 s	0.001 s
<a href="#">generateMultiAlgorithmDisplayOptions</a>	1	0.010 s	0.006 s
<a href="#">crossvalind</a>	1	0.010 s	0.003 s
<a href="#">cell.setdiff</a>	1	0.009 s	0.000 s
<a href="#">importdata&gt;maxNotData</a>	1	0.009 s	0.001 s
<a href="#">cell.setdiff&gt;cellsetdiffR2012a</a>	1	0.009 s	0.004 s
<a href="#">importdata&gt;isdata</a>	502	0.008 s	0.008 s
<a href="#">ver&gt;locParseLineFromFile</a>	4	0.007 s	0.007 s
<a href="#">fullfile</a>	4	0.007 s	0.004 s



<a href="#">createNonConstantDefaults</a>	1	0.006 s	0.006 s
<a href="#">ver&gt;locGetMatlabToolboxLocation</a>	4	0.006 s	0.000 s
<a href="#">std</a>	30	0.006 s	0.002 s
<a href="#">grp2idx</a>	1	0.006 s	0.000 s
<a href="#">rng&gt;getCurrentType</a>	13	0.006 s	0.002 s
<a href="#">...m.RandStream&gt;RandStream.RandStream</a>	13	0.006 s	0.003 s
<a href="#">grp2idx</a>	1	0.006 s	0.001 s
<a href="#">strcat</a>	5	0.006 s	0.005 s
<a href="#">optimization_M_LP_A_setting</a>	10	0.006 s	0.006 s
<a href="#">toolboxdir</a>	1	0.005 s	0.000 s
<a href="#">var</a>	30	0.005 s	0.004 s
<a href="#">...x.SuperClasses)&amp;&amp;~x.Abstract</a>	25	0.004 s	0.002 s
<a href="#">collectOutput</a>	1	0.004 s	0.000 s
<a href="#">...RandStream&gt;localGetSetGlobalStream</a>	26	0.004 s	0.003 s
<a href="#">cell.unique&gt;celluniquelegacy</a>	4	0.004 s	0.003 s
<a href="#">GaOptions&gt;genPropInfo</a>	1	0.004 s	0.001 s
<a href="#">...ons&gt;SolverOptions.setAliasProperty</a>	20	0.003 s	0.002 s
<a href="#">Linprog&gt;Linprog.set.OptimalityTolerance</a>	10	0.003 s	0.001 s
<a href="#">unique</a>	1	0.003 s	0.002 s
<a href="#">findSubClasses&gt;isAClass</a>	51	0.003 s	0.003 s
<a href="#">optimization_M_confusion_matrix_setting</a>	10	0.003 s	0.003 s
<a href="#">...dStream&gt;RandStream.setGlobalStream</a>	13	0.003 s	0.000 s
<a href="#">collectOutput&gt;mergeColumns</a>	1	0.003 s	0.003 s
<a href="#">finfo&gt;getExtension</a>	1	0.003 s	0.001 s
<a href="#">partialMatchString</a>	8	0.003 s	0.002 s
<a href="#">...&gt;OptionAliasStore.getNameFromAlias</a>	16	0.002 s	0.002 s
<a href="#">fileparts</a>	3	0.002 s	0.002 s
<a href="#">RandStream.RandStream&gt;RandStream.subsref</a>	13	0.002 s	0.002 s
<a href="#">cellstr</a>	8	0.002 s	0.002 s



<a href="#">get_S_and_D</a>	10	0.002 s	0.002 s
<a href="#">...ithmDisplayOptions&gt;isDisplayOption</a>	16	0.002 s	0.002 s
<a href="#">int2str</a>	42	0.002 s	0.002 s
<a href="#">iofun\private\guessdelim</a>	1	0.002 s	0.002 s
<a href="#">grp2idx&gt;toString</a>	1	0.002 s	0.001 s
<a href="#">...dStream&gt;RandStream.getGlobalStream</a>	13	0.002 s	0.000 s
<a href="#">ver&gt;locRemoveUnwantedEntries</a>	2	0.002 s	0.002 s
<a href="#">Paretosearch&gt;genPropInfo</a>	1	0.002 s	0.001 s
<a href="#">Particleswarm&gt;genPropInfo</a>	1	0.002 s	0.001 s
<a href="#">RandStream.RandStream&gt;getargs</a>	13	0.002 s	0.002 s
<a href="#">strtok</a>	1	0.002 s	0.001 s
<a href="#">Linprog&gt;Linprog.set.ConstraintTolerance</a>	10	0.002 s	0.001 s
<a href="#">fullfile&gt;refinePath</a>	4	0.002 s	0.001 s
<a href="#">cell.unique&gt;celluniqueR2012a</a>	4	0.002 s	0.002 s
<a href="#">Fminunc&gt;genPropInfo</a>	1	0.002 s	0.001 s
<a href="#">PatternsearchOptions&gt;genPropInfo</a>	1	0.002 s	0.001 s
<a href="#">Fmincon&gt;genPropInfo</a>	1	0.002 s	0.001 s
<a href="#">general\private\catdirs</a>	5	0.002 s	0.001 s
<a href="#">Intlinprog&gt;genPropInfo</a>	1	0.001 s	0.001 s
<a href="#">SimulannealbndOptions&gt;genPropInfo</a>	1	0.001 s	0.001 s
<a href="#">TypeInfo&gt;TypeInfo.enumType</a>	55	0.001 s	0.001 s
<a href="#">collectOutput&gt;getTypesLengths</a>	1	0.001 s	0.001 s
<a href="#">TypeInfo&gt;TypeInfo.positiveNumericType</a>	58	0.001 s	0.001 s
<a href="#">Fsolve&gt;genPropInfo</a>	1	0.001 s	0.001 s
<a href="#">importdata&gt;TrimTrailing</a>	1	0.001 s	0.001 s
<a href="#">strmatch</a>	1	0.001 s	0.001 s
<a href="#">Lsqncommon&gt;genPropInfo</a>	1	0.001 s	0.001 s
<a href="#">optimization_M_oao_vae</a>	10	0.001 s	0.001 s
<a href="#">fullfile&gt;ensureTrailingFilesep</a>	2	0.001 s	0.000 s



<a href="#">strtok&gt;doStrtok</a>	1	0.001 s	0.001 s
<a href="#">Fminimax&gt;genPropInfo</a>	1	0.001 s	0.001 s
<a href="#">Fgoalattain&gt;genPropInfo</a>	1	0.001 s	0.001 s
<a href="#">Fseminf&gt;genPropInfo</a>	1	0.001 s	0.001 s
<a href="#">onCleanup&gt;onCleanup.delete</a>	3	0.001 s	0.001 s
<a href="#">Surrogateopt&gt;genPropInfo</a>	1	0.001 s	0.001 s
<a href="#">TypeInfo&gt;TypeInfo.numericType</a>	57	0.001 s	0.001 s
<a href="#">intmax</a>	2	0.001 s	0.001 s
<a href="#">onCleanup&gt;onCleanup.onCleanup</a>	3	0.001 s	0.001 s
<a href="#">cell.unique&gt;localcat</a>	8	0.001 s	0.001 s
<a href="#">Linprog&gt;Linprog.get.MaxTime</a>	35	0.001 s	0.001 s
<a href="#">ops\private\uniquelegacy</a>	1	0.001 s	0.001 s
<a href="#">TypeInfo&gt;TypeInfo.logicalType</a>	36	0.001 s	0.001 s
<a href="#">TypeInfo&gt;@(x){"",x,""}</a>	140	0.001 s	0.001 s
<a href="#">TypeInfo&gt;TypeInfo.integerType</a>	37	0.001 s	0.001 s
<a href="#">Quadprog&gt;genPropInfo</a>	1	0.001 s	0.001 s
<a href="#">Lsqlin&gt;genPropInfo</a>	1	0.001 s	0.001 s
<a href="#">var&gt;mysize</a>	30	0.001 s	0.001 s
<a href="#">RandStream.RandStream&gt;RandStream.algName</a>	13	0.001 s	0.001 s
<a href="#">fullfile&gt;addTrailingFileSep</a>	2	0.001 s	0.001 s
<a href="#">importdata&gt;getLines</a>	2	0.001 s	0.001 s
<a href="#">fullfile&gt;fixIRI</a>	2	0.001 s	0.001 s
<a href="#">xlsreadSupportedExtensions</a>	3	0.001 s	0.001 s
<a href="#">RandStream.RandStream&gt;RandStream.delete</a>	13	0.001 s	0.001 s
<a href="#">TypeInfo&gt;TypeInfo.fcnOrEmptyType</a>	20	0.001 s	0.001 s
<a href="#">ver&gt;locCleanDate</a>	2	0.001 s	0.001 s
<a href="#">fgetl</a>	4	0.000 s	0.000 s
<a href="#">importdata&gt;@(x)(isnan(x))</a>	2	0.000 s	0.000 s
<a href="#">strfun\private\strescape</a>	35	0.000 s	0.000 s





<a href="#">ver&gt;locRemoveUnwantedFixPointEntries</a>	2	0.000 s	0.000 s
<a href="#">strlen</a>	8	0.000 s	0.000 s
<a href="#">blanks</a>	5	0.000 s	0.000 s
<a href="#">filesep</a>	18	0.000 s	0.000 s
<a href="#">Linprog&gt;genPropInfo</a>	1	0.000 s	0.000 s
<a href="#">pathsep</a>	17	0.000 s	0.000 s
<a href="#">mpower</a>	1	0.000 s	0.000 s
<a href="#">path&gt;isValidInput</a>	10	0.000 s	0.000 s
<a href="#">ispc</a>	5	0.000 s	0.000 s
<a href="#">TypeInfo&gt;TypeInfo.fcnType</a>	7	0.000 s	0.000 s
<a href="#">finfo&gt;@().warning(avWarnState)</a>	1	0.000 s	0.000 s
<a href="#">importdata&gt;split</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="#">TypeInfo&gt;TypeInfo.nonNegIntegerType</a>	4	0.000 s	0.000 s
<a href="#">ver&gt;locInitializeVerStruct</a>	2	0.000 s	0.000 s
<a href="#">ver&gt;@().fclose(fid)</a>	2	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="#">deal</a>	1	0.000 s	0.000 s
<a href="#">TypeInfo&gt;TypeInfo.fileType</a>	1	0.000 s	0.000 s
<a href="#">TypeInfo&gt;TypeInfo.positiveIntegerType</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
<a href="#">OptionAliasStore&gt;getOldNames</a>	1	0.000 s	0.000 s
<a href="#">OptionAliasStore&gt;getNewNames</a>	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.

