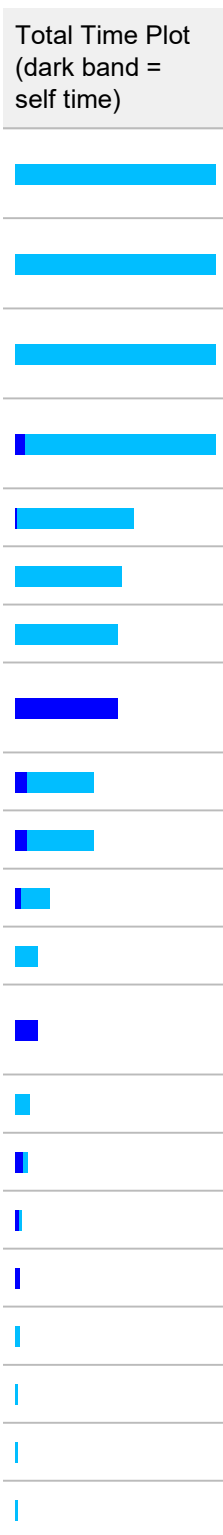


# Profile Summary

Generated 13-Jun-2020 11:19:59 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	1355.721 s	0.053 s
<a href="#">optimization_M_one_against_one_BCD</a>	10	1355.303 s	0.002 s
<a href="#">...n_M_one_against_one_binary_R_Block_CD</a>	10	1355.300 s	0.044 s
<a href="#">...tion_M_MLjournal_subgraph_1sbb2f_time</a>	10	1355.249 s	61.551 s
<a href="#">linprog</a>	40158	795.754 s	15.036 s
<a href="#">...riorPoint&gt;LinprogInteriorPoint.run</a>	40158	719.090 s	0.756 s
<a href="#">iplp</a>	40158	694.699 s	1.607 s
<a href="#">optim\private\interiorPointLPmex</a> (MEX-file)	40158	687.703 s	687.703 s
<a href="#">...lock_ns_cell_MLjournal_subgraph_gs_ws</a>	20000	531.904 s	80.155 s
<a href="#">...ock_ns_cell_MLjournal_subgraph_gs_ws2</a>	20000	528.894 s	75.414 s
<a href="#">...ns_cell_MLjournal_subgraph_FULL_gs_ws</a>	10	223.430 s	34.526 s
<a href="#">gurobi_test</a>	26	156.339 s	1.282 s
<a href="#">gurobi</a> (MEX-file)	26	155.056 s	155.056 s
<a href="#">optimization_M_NR</a>	20184	92.337 s	0.312 s
<a href="#">optimization_M_gamma_M_lc</a>	40375	86.023 s	56.298 s
<a href="#">optimization_M_scalars</a>	929	42.629 s	26.971 s
<a href="#">mcm1_gradient_step_size</a>	40375	29.725 s	29.725 s
<a href="#">...edLinear.performExitflagAndMsgActions</a>	40158	23.635 s	0.726 s
<a href="#">...eneralizedLinear.createExitflagAndMsg</a>	40158	21.256 s	5.374 s
<a href="#">optimoptions</a>	40168	19.245 s	0.441 s
<a href="#">createSolverOptions</a>	40168	18.804 s	4.003 s



<a href="#">SolverOptions&gt;SolverOptions.setProperty</a>	240968	17.563 s	1.603 s
<a href="#">optimization_M_lobpcg</a>	939	16.284 s	15.203 s
<a href="#">...t&gt;LinprogInteriorPoint.getExitInfo</a>	40158	15.882 s	1.393 s
<a href="#">Linprog&gt;Linprog.Linprog</a>	40168	14.801 s	0.472 s
<a href="#">...ithm&gt;MultiAlgorithm.MultiAlgorithm</a>	40168	14.329 s	0.308 s
<a href="#">...ptions&gt;SolverOptions.SolverOptions</a>	40168	14.021 s	4.820 s
<a href="#">...lizedLinear.getOptionValueAndFeedback</a>	80316	11.525 s	4.488 s
<a href="#">checkfield</a>	240988	10.991 s	3.321 s
<a href="#">...dLinear&gt;GeneralizedLinear.checkRun</a>	40158	9.543 s	0.356 s
<a href="#">...rithm&gt;MultiAlgorithm.set.Algorithm</a>	40168	9.190 s	3.991 s
<a href="#">...ear&gt;GeneralizedLinear.checkProblem</a>	40158	8.959 s	0.359 s
<a href="#">mcm1_gradient</a>	20499	8.786 s	8.786 s
<a href="#">checkfield&gt;prepareStringValue</a>	240988	6.906 s	0.939 s
<a href="#">mcm1_obj</a>	21082	6.449 s	6.449 s
<a href="#">prepareOptionsForSolver</a>	40158	6.063 s	0.367 s
<a href="#">optimization_M_gamma_M_lc_NR</a>	134	5.999 s	3.898 s
<a href="#">num2str</a>	80410	5.841 s	1.109 s
<a href="#">checkbounds</a>	80316	5.353 s	5.353 s
<a href="#">...&gt;SolverOptions.setPropertyNoChecks</a>	240988	4.971 s	4.971 s
<a href="#">num2str&gt;handleNumericPrecision</a>	80368	4.730 s	0.347 s
<a href="#">...SolverOptions.extractOptionsStructure</a>	80316	4.691 s	0.703 s
<a href="#">num2str&gt;convertUsingRecycledSprintf</a>	80368	4.383 s	4.383 s
<a href="#">Linprog&gt;Linprog.set.Diagnostics</a>	40158	4.359 s	0.940 s
<a href="#">checkLinearConstraints</a>	40158	3.995 s	0.678 s
<a href="#">...Linprog.extractCustomOptionsStructure</a>	80316	3.987 s	0.588 s
<a href="#">optimget</a>	361422	3.925 s	1.576 s
<a href="#">Linprog&gt;Linprog.set.Display</a>	40168	3.548 s	0.678 s
<a href="#">checkBoundConstraints</a>	40158	3.497 s	0.560 s
<a href="#">...gorithm.extractCustomOptionsStructure</a>	80316	3.399 s	1.963 s

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<a href="#">Linprog&gt;Linprog.createAlgorithm</a>	40158	3.183 s	1.954 s
<a href="#">checkfield&gt;isCaseSensitiveField</a>	240988	3.000 s	1.010 s
<a href="#">checkfield&gt;deblankString</a>	120494	2.966 s	0.555 s
<a href="#">+algorithm\private\createCSHLinks</a>	160632	2.963 s	2.963 s
<a href="#">rmfield</a>	80317	2.932 s	2.932 s
<a href="#">Linprog&gt;Linprog.set.TolCon</a>	40158	2.846 s	0.647 s
<a href="#">...ons&gt;SolverOptions.convertForSolver</a>	40158	2.744 s	2.744 s
<a href="#">Linprog&gt;Linprog.set.MaxIter</a>	40158	2.714 s	0.583 s
<a href="#">Linprog&gt;Linprog.set.TolFun</a>	40158	2.455 s	0.586 s
<a href="#">strip</a>	120494	2.411 s	1.905 s
<a href="#">optimget&gt;optimgetfast</a>	361422	2.349 s	2.349 s
<a href="#">isoptimargdbl</a>	160632	2.178 s	2.178 s
<a href="#">mcml_gradient_step_size_NR</a>	134	2.101 s	2.101 s
<a href="#">checkLinearConstraints&gt;i_isSolver</a>	40158	2.079 s	0.247 s
<a href="#">cell.ismember</a>	240988	1.990 s	1.990 s
<a href="#">createProblemStruct</a>	40158	1.831 s	1.831 s
<a href="#">SolverOptions&gt;SolverOptions.isSetByUser</a>	321264	1.827 s	1.827 s
<a href="#">iplp&gt;i_unwrapInternalOptions</a>	40158	1.427 s	0.336 s
<a href="#">+algorithm\private\removeHTMLTags</a>	40158	1.359 s	1.359 s
<a href="#">...rogInteriorPoint.LinprogInteriorPoint</a>	40158	1.015 s	0.885 s
<a href="#">checkLinearObjective</a>	40158	0.963 s	0.450 s
<a href="#">optimization_M_gamma_GD</a>	7	0.784 s	0.003 s
<a href="#">mean</a>	49619	0.625 s	0.503 s
<a href="#">optimization_M_initialization</a>	10	0.612 s	0.612 s
<a href="#">checkfield&gt;stringsType</a>	120494	0.471 s	0.471 s
<a href="#">cond</a>	49627	0.461 s	0.461 s
<a href="#">iplp&gt;i_createOutputStructure</a>	40158	0.383 s	0.383 s
<a href="#">...Constraints&gt;i_checkConstraintSizes</a>	40158	0.371 s	0.371 s
<a href="#">str...te\convertStringToOriginalTextType</a>	120494	0.354 s	0.354 s



<a href="#">Linprog&gt;Linprog.get.TolFun</a>	40158	0.296 s	0.296 s
<a href="#">Linprog&gt;Linprog.get.Display</a>	40184	0.294 s	0.294 s
<a href="#">...nts&gt;i_ensureEmptyConHasCorrectSize</a>	40158	0.247 s	0.247 s
<a href="#">...inear&gt;GeneralizedLinear.getNumVars</a>	80316	0.245 s	0.245 s
<a href="#">Linprog&gt;Linprog.get.TolCon</a>	40158	0.237 s	0.237 s
<a href="#">...rithm&gt;MultiAlgorithm.get.Algorithm</a>	40158	0.214 s	0.214 s
<a href="#">Linprog&gt;Linprog.setInternalOptions</a>	40158	0.210 s	0.210 s
<a href="#">addpath</a>	5	0.209 s	0.006 s
<a href="#">path</a>	5	0.202 s	0.154 s
<a href="#">checkfield&gt;nonNegReal</a>	80336	0.174 s	0.174 s
<a href="#">...t;SolverOptions.replaceSpecialStrings</a>	80316	0.155 s	0.155 s
<a href="#">strfun\private\isTextStrict</a>	120494	0.152 s	0.152 s
<a href="#">...t;GeneralizedLinear.GeneralizedLinear</a>	40158	0.130 s	0.130 s
<a href="#">...&gt;SolverOptions.mapOptionsForSolver</a>	80316	0.128 s	0.128 s
<a href="#">Linprog&gt;Linprog.checkOptions</a>	40158	0.128 s	0.128 s
<a href="#">...hm&gt;MultiAlgorithm.mapAlgorithmName</a>	40168	0.125 s	0.125 s
<a href="#">mean&gt;mysize</a>	49619	0.122 s	0.122 s
<a href="#">checkfield&gt;nonNegInteger</a>	40158	0.120 s	0.120 s
<a href="#">checkLinearConstraints&gt;i_checkRealCoeffs</a>	40158	0.120 s	0.120 s
<a href="#">importdata</a>	1	0.106 s	0.007 s
<a href="#">importdata&gt;LocalTextRead</a>	1	0.083 s	0.003 s
<a href="#">importdata&gt;parse</a>	1	0.066 s	0.003 s
<a href="#">general\private\parsedirs</a>	10	0.042 s	0.042 s
<a href="#">importdata&gt;analyze</a>	1	0.041 s	0.002 s
<a href="#">importdata&gt;isvaliddata</a>	1	0.039 s	0.002 s
<a href="#">importdata&gt;maxNotData</a>	1	0.034 s	0.004 s
<a href="#">importdata&gt;isdata</a>	2002	0.031 s	0.031 s
<a href="#">crossvalind</a>	1	0.021 s	0.005 s
<a href="#">importdata&gt;readData</a>	1	0.020 s	0.013 s





<a href="#">rng</a>	13	0.017 s	0.002 s
<a href="#">finfo</a>	1	0.015 s	0.008 s
<a href="#">grp2idx</a>	1	0.013 s	0.001 s
<a href="#">unique</a>	11	0.013 s	0.006 s
<a href="#">grp2idx</a>	1	0.012 s	0.002 s
<a href="#">mcmI_get_variables_ready</a>	10	0.010 s	0.003 s
<a href="#">optimization_M_LP_A_setting</a>	10	0.009 s	0.009 s
<a href="#">...tion_M_one_against_one_voting_1_and_2</a>	10	0.008 s	0.004 s
<a href="#">std</a>	30	0.007 s	0.002 s
<a href="#">importdata&gt;fixLineEndings</a>	2	0.007 s	0.007 s
<a href="#">collectOutput</a>	1	0.006 s	0.001 s
<a href="#">rng&gt;getCurrentType</a>	13	0.006 s	0.002 s
<a href="#">strcat</a>	5	0.006 s	0.005 s
<a href="#">...m.RandStream&gt;RandStream.RandStream</a>	13	0.006 s	0.004 s
<a href="#">var</a>	30	0.005 s	0.004 s
<a href="#">fileread</a>	1	0.004 s	0.004 s
<a href="#">...RandStream&gt;localGetSetGlobalStream</a>	26	0.004 s	0.004 s
<a href="#">unique&gt;uniqueR2012a</a>	10	0.004 s	0.004 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="#">grp2idx&gt;toString</a>	1	0.003 s	0.002 s
<a href="#">...dStream&gt;RandStream.setGlobalStream</a>	13	0.003 s	0.000 s
<a href="#">iofun\private\guessdelim</a>	1	0.003 s	0.003 s
<a href="#">collectOutput&gt;getTypesLengths</a>	1	0.003 s	0.003 s
<a href="#">finfo&gt;getExtension</a>	1	0.003 s	0.001 s
<a href="#">RandStream.RandStream&gt;RandStream.subsref</a>	13	0.002 s	0.002 s
<a href="#">fileparts</a>	3	0.002 s	0.002 s
<a href="#">ops\private\uniquelegacy</a>	1	0.002 s	0.002 s



<a href="#">strmatch</a>	1	0.002 s	0.002 s
<a href="#">collectOutput&gt;mergeColumns</a>	1	0.002 s	0.002 s
<a href="#">int2str</a>	42	0.002 s	0.002 s
<a href="#">...dStream&gt;RandStream.getGlobalStream</a>	13	0.002 s	0.000 s
<a href="#">strtok</a>	1	0.002 s	0.001 s
<a href="#">importdata&gt;TrimTrailing</a>	1	0.002 s	0.001 s
<a href="#">general\private\catdirs</a>	5	0.002 s	0.001 s
<a href="#">RandStream.RandStream&gt;getargs</a>	13	0.002 s	0.002 s
<a href="#">importdata&gt;split</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="#">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="#">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="#">intmin</a>	1	0.001 s	0.001 s
<a href="#">importdata&gt;getLines</a>	2	0.001 s	0.001 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="#">importdata&gt;LocalRowColShuffle</a>	1	0.001 s	0.001 s
<a href="#">Linprog&gt;Linprog.get.MaxTime</a>	26	0.001 s	0.001 s
<a href="#">onCleanup&gt;onCleanup.delete</a>	1	0.000 s	0.000 s
<a href="#">blanks</a>	5	0.000 s	0.000 s
<a href="#">importdata&gt;@(x)(isnan(x))</a>	2	0.000 s	0.000 s
<a href="#">onCleanup&gt;onCleanup.onCleanup</a>	1	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="#">isdatetime</a>	1	0.000 s	0.000 s
<a href="#">isduration</a>	1	0.000 s	0.000 s
<a href="#">optimization_M_net_error</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.