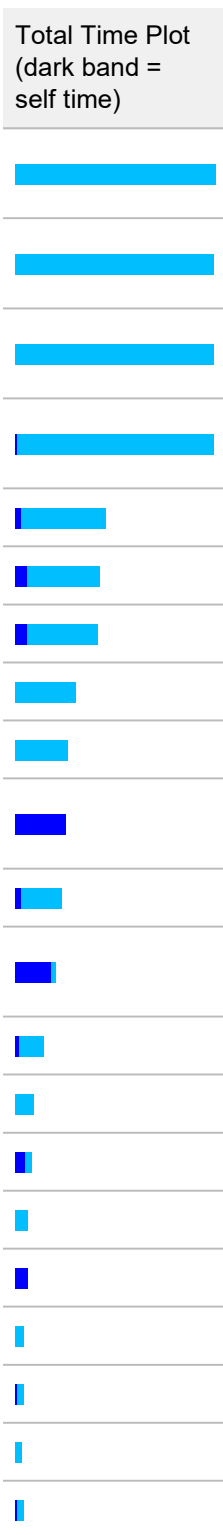


# Profile Summary

Generated 11-Jun-2020 16:47:46 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	122.853 s	0.400 s
<a href="#">optimization_M_one_against_one_BCD</a>	10	122.033 s	0.002 s
<a href="#">...n_M_one_against_one_binary_R_Block_CD</a>	10	122.031 s	0.160 s
<a href="#">...tion_M_MLjournal_subgraph_1sbb2f_time</a>	10	121.828 s	1.113 s
<a href="#">linprog</a>	10377	54.701 s	3.564 s
<a href="#">...lock_ns_cell_MLjournal_subgraph_gs_ws</a>	5000	51.348 s	7.388 s
<a href="#">...ock_ns_cell_MLjournal_subgraph_gs_ws2</a>	5000	50.469 s	6.914 s
<a href="#">...riorPoint&gt;LinprogInteriorPoint.run</a>	10377	37.526 s	0.165 s
<a href="#">iplp</a>	10377	31.915 s	0.296 s
<a href="#">optim\private\interiorPointLPmex (MEX-file)</a>	10377	30.339 s	30.339 s
<a href="#">optimization_M_scalars</a>	1615	27.713 s	3.703 s
<a href="#">optimization_M_lobpcg</a>	1625	24.558 s	22.628 s
<a href="#">...ns_cell_MLjournal_subgraph_FULLL_gs_ws</a>	10	16.963 s	2.084 s
<a href="#">optimization_M_NR</a>	5409	11.003 s	0.074 s
<a href="#">optimization_M_gamma_M_lc</a>	10858	9.425 s	5.578 s
<a href="#">gurobi_test</a>	32	7.803 s	0.100 s
<a href="#">gurobi (MEX-file)</a>	32	7.702 s	7.702 s
<a href="#">...edLinear.performExitflagAndMsgActions</a>	10377	5.446 s	0.162 s
<a href="#">...eneralizedLinear.createExitflagAndMsg</a>	10377	4.898 s	1.201 s
<a href="#">optimoptions</a>	10387	4.337 s	0.095 s
<a href="#">createSolverOptions</a>	10387	4.242 s	0.869 s





<a href="#">SolverOptions&gt;SolverOptions.setProperty</a>	62282	4.226 s	0.384 s
<a href="#">optimization_M_set_step_gradient</a>	10858	3.848 s	3.848 s
<a href="#">...t&gt;LinprogInteriorPoint.getExitInfo</a>	10377	3.697 s	0.322 s
<a href="#">Linprog&gt;Linprog.Linprog</a>	10387	3.373 s	0.108 s
<a href="#">...ithm&gt;MultiAlgorithm.MultiAlgorithm</a>	10387	3.264 s	0.066 s
<a href="#">...ptions&gt;SolverOptions.SolverOptions</a>	10387	3.198 s	1.133 s
<a href="#">...lizedLinear.getOptionValueAndFeedback</a>	20754	2.631 s	1.012 s
<a href="#">checkfield</a>	62302	2.603 s	0.756 s
<a href="#">...rithm&gt;MultiAlgorithm.set.Algorithm</a>	10387	2.053 s	0.939 s
<a href="#">optimization_M_set_gradient</a>	5998	1.923 s	1.923 s
<a href="#">...dLinear&gt;GeneralizedLinear.checkRun</a>	10377	1.810 s	0.079 s
<a href="#">...ear&gt;GeneralizedLinear.checkProblem</a>	10377	1.682 s	0.078 s
<a href="#">checkfield&gt;prepareStringValue</a>	62302	1.669 s	0.225 s
<a href="#">optimization_M_gamma_M_lc_NR</a>	175	1.501 s	0.453 s
<a href="#">prepareOptionsForSolver</a>	10377	1.355 s	0.079 s
<a href="#">num2str</a>	20858	1.345 s	0.245 s
<a href="#">...&gt;SolverOptions.setPropertyNoChecks</a>	62302	1.242 s	1.242 s
<a href="#">mean</a>	90658	1.120 s	0.904 s
<a href="#">num2str&gt;handleNumericPrecision</a>	20816	1.098 s	0.077 s
<a href="#">...SolverOptions.extractOptionsStructure</a>	20754	1.086 s	0.162 s
<a href="#">Linprog&gt;Linprog.set.Diagnostics</a>	10377	1.064 s	0.225 s
<a href="#">optimization_M_set_step_NR</a>	175	1.048 s	1.048 s
<a href="#">num2str&gt;convertUsingRecycledSprintf</a>	20816	1.021 s	1.021 s
<a href="#">optimget</a>	93393	0.982 s	0.388 s
<a href="#">checkLinearConstraints</a>	10377	0.946 s	0.159 s
<a href="#">...Linprog.extractCustomOptionsStructure</a>	20754	0.923 s	0.130 s
<a href="#">Linprog&gt;Linprog.set.Display</a>	10387	0.914 s	0.171 s
<a href="#">cond</a>	90734	0.813 s	0.813 s
<a href="#">...gorithm.extractCustomOptionsStructure</a>	20754	0.793 s	0.452 s





























<a href="#">Linprog&gt;Linprog.createAlgorithm</a>	10377	0.765 s	0.465 s
<a href="#">checkfield&gt;isCaseSensitiveField</a>	62302	0.746 s	0.250 s
<a href="#">+algorithm\private\createCSHLinks</a>	41508	0.744 s	0.744 s
<a href="#">rmfield</a>	20755	0.706 s	0.706 s
<a href="#">checkfield&gt;deblankString</a>	31151	0.699 s	0.132 s
<a href="#">Linprog&gt;Linprog.set.TolCon</a>	10377	0.696 s	0.157 s
<a href="#">Linprog&gt;Linprog.set.MaxIter</a>	10377	0.683 s	0.146 s
<a href="#">Linprog&gt;Linprog.set.TolFun</a>	10377	0.628 s	0.147 s
<a href="#">...ons&gt;SolverOptions.convertForSolver</a>	10377	0.604 s	0.604 s
<a href="#">optimget&gt;optimgetfast</a>	93393	0.594 s	0.594 s
<a href="#">strip</a>	31151	0.567 s	0.445 s
<a href="#">optimization_M_set_L_Mahalanobis</a>	6283	0.549 s	0.549 s
<a href="#">isoptimargdbl</a>	41508	0.514 s	0.514 s
<a href="#">cell.ismember</a>	62302	0.495 s	0.495 s
<a href="#">checkLinearConstraints&gt;i_isSolver</a>	10377	0.487 s	0.058 s
<a href="#">optimization_M_gamma_GD</a>	40	0.485 s	0.003 s
<a href="#">SolverOptions&gt;SolverOptions.isSetByUser</a>	83016	0.448 s	0.448 s
<a href="#">createProblemStruct</a>	10377	0.429 s	0.429 s
<a href="#">checkBoundConstraints</a>	10377	0.399 s	0.124 s
<a href="#">checkbounds</a>	20754	0.379 s	0.379 s
<a href="#">iplp&gt;i_unwrapInternalOptions</a>	10377	0.360 s	0.080 s
<a href="#">+algorithm\private\removeHTMLTags</a>	10377	0.318 s	0.318 s
<a href="#">...rogInteriorPoint.LinprogInteriorPoint</a>	10377	0.243 s	0.213 s
<a href="#">checkLinearObjective</a>	10377	0.223 s	0.103 s
<a href="#">mean&gt;mysize</a>	90658	0.216 s	0.216 s
<a href="#">addpath</a>	4	0.177 s	0.005 s
<a href="#">path</a>	4	0.171 s	0.127 s
<a href="#">importdata</a>	1	0.162 s	0.007 s
<a href="#">importdata&gt;LocalTextRead</a>	1	0.136 s	0.003 s



<a href="#">checkfield&gt;stringsType</a>	31151	0.110 s	0.110 s
<a href="#">importdata&gt;parse</a>	1	0.093 s	0.003 s
<a href="#">...Constraints&gt;i_checkConstraintSizes</a>	10377	0.088 s	0.088 s
<a href="#">str...te\convertStringToOriginalTextType</a>	31151	0.087 s	0.087 s
<a href="#">iplp&gt;i_createOutputStructure</a>	10377	0.082 s	0.082 s
<a href="#">importdata&gt;readData</a>	1	0.074 s	0.067 s
<a href="#">Linprog&gt;Linprog.get.Display</a>	10409	0.069 s	0.069 s
<a href="#">Linprog&gt;Linprog.get.TolFun</a>	10377	0.066 s	0.066 s
<a href="#">...inear&gt;GeneralizedLinear.getNumVars</a>	20754	0.060 s	0.060 s
<a href="#">...nts&gt;i_ensureEmptyConHasCorrectSize</a>	10377	0.058 s	0.058 s
<a href="#">...rithm&gt;MultiAlgorithm.get.Algorithm</a>	10377	0.057 s	0.057 s
<a href="#">Linprog&gt;Linprog.get.TolCon</a>	10377	0.056 s	0.056 s
<a href="#">Linprog&gt;Linprog.setInternalOptions</a>	10377	0.048 s	0.048 s
<a href="#">checkfield&gt;nonNegReal</a>	20774	0.041 s	0.041 s
<a href="#">...tion_M_one_against_one_voting_1_and_2</a>	10	0.039 s	0.008 s
<a href="#">general\private\parsedirs</a>	8	0.038 s	0.038 s
<a href="#">...tion_M_one_against_one_binary_results</a>	10	0.037 s	0.037 s
<a href="#">strfun\private\isTextStrict</a>	31151	0.035 s	0.035 s
<a href="#">optimization_M_initialization</a>	10	0.033 s	0.033 s
<a href="#">...t:GeneralizedLinear.GeneralizedLinear</a>	10377	0.029 s	0.029 s
<a href="#">...t:SolverOptions.replaceSpecialStrings</a>	20754	0.029 s	0.029 s
<a href="#">...&gt;SolverOptions.mapOptionsForSolver</a>	20754	0.028 s	0.028 s
<a href="#">...ization_M_one_against_one_voted_label</a>	10	0.028 s	0.028 s
<a href="#">checkLinearConstraints&gt;i_checkRealCoeffs</a>	10377	0.028 s	0.028 s
<a href="#">...hm&gt;MultiAlgorithm.mapAlgorithmName</a>	10387	0.027 s	0.027 s
<a href="#">checkfield&gt;nonNegInteger</a>	10377	0.026 s	0.026 s
<a href="#">Linprog&gt;Linprog.checkOptions</a>	10377	0.025 s	0.025 s
<a href="#">importdata&gt;fixLineEndings</a>	2	0.023 s	0.023 s
<a href="#">crossvalind</a>	1	0.021 s	0.005 s





<a href="#">finfo</a>	1	0.018 s	0.012 s
<a href="#">rng</a>	13	0.017 s	0.002 s
<a href="#">importdata&gt;analyze</a>	1	0.015 s	0.002 s
<a href="#">fileread</a>	1	0.013 s	0.013 s
<a href="#">grp2idx</a>	1	0.013 s	0.001 s
<a href="#">importdata&gt;isvaliddata</a>	1	0.013 s	0.002 s
<a href="#">grp2idx</a>	1	0.012 s	0.002 s
<a href="#">importdata&gt;maxNotData</a>	1	0.009 s	0.002 s
<a href="#">importdata&gt;isdata</a>	502	0.008 s	0.008 s
<a href="#">unique</a>	1	0.007 s	0.004 s
<a href="#">collectOutput</a>	1	0.007 s	0.001 s
<a href="#">std</a>	30	0.006 s	0.002 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="#">strcat</a>	4	0.006 s	0.005 s
<a href="#">var</a>	30	0.005 s	0.004 s
<a href="#">...RandStream&gt;localGetSetGlobalStream</a>	26	0.004 s	0.003 s
<a href="#">...ons&gt;SolverOptions.setAliasProperty</a>	20	0.004 s	0.001 s
<a href="#">collectOutput&gt;mergeColumns</a>	1	0.004 s	0.004 s
<a href="#">Linprog&gt;Linprog.set.OptimalityTolerance</a>	10	0.004 s	0.001 s
<a href="#">optimization_M_LP_A_setting</a>	10	0.004 s	0.004 s
<a href="#">grp2idx&gt;toString</a>	1	0.003 s	0.002 s
<a href="#">optimization_M_confusion_matrix_setting</a>	10	0.003 s	0.003 s
<a href="#">iofun\private\guessdelim</a>	1	0.003 s	0.003 s
<a href="#">...dStream&gt;RandStream.setGlobalStream</a>	13	0.003 s	0.000 s
<a href="#">finfo&gt;getExtension</a>	1	0.003 s	0.001 s
<a href="#">ops\private\uniquelegacy</a>	1	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="#">strmatch</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="#">importdata&gt;TrimTrailing</a>	1	0.002 s	0.001 s
<a href="#">strtok</a>	1	0.002 s	0.001 s
<a href="#">collectOutput&gt;getTypesLengths</a>	1	0.002 s	0.002 s
<a href="#">optimization_M_cy</a>	10	0.002 s	0.002 s
<a href="#">RandStream.RandStream&gt;getargs</a>	13	0.002 s	0.002 s
<a href="#">general\private\catdirs</a>	4	0.001 s	0.001 s
<a href="#">optimization_M_oao_vae</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="#">intmax</a>	2	0.001 s	0.001 s
<a href="#">importdata&gt;split</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="#">intmin</a>	1	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>	32	0.001 s	0.001 s
<a href="#">RandStream.RandStream&gt;RandStream.delete</a>	13	0.001 s	0.001 s
<a href="#">importdata&gt;getLines</a>	2	0.001 s	0.001 s
<a href="#">blanks</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="#">onCleanup&gt;onCleanup.onCleanup</a>	1	0.000 s	0.000 s
<a href="#">pathsep</a>	12	0.000 s	0.000 s
<a href="#">path&gt;isValidInput</a>	8	0.000 s	0.000 s
<a href="#">ispc</a>	3	0.000 s	0.000 s



<a href="#">filesep</a>	8	0.000 s	0.000 s
<a href="#">finfo&gt;@().warning(avWarnState)</a>	1	0.000 s	0.000 s
<a href="#">optimization_M_net_error</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

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


tions.