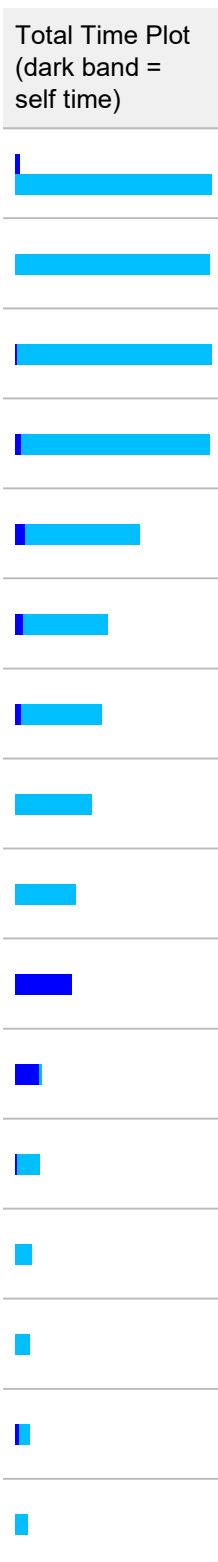





















Profile Summary

Generated 13-Jun-2020 13:32:25 using performance time.

Function Name	Calls	Total Time	Self Time*
main_obj_comparison	1	24.938 s	0.407 s
optimization_M_one_against_one_BCD	10	24.288 s	0.008 s
...n_M_one_against_one_binary_R_Block_CD	10	24.280 s	0.179 s
...tion_M_MLjournal_subgraph_1sbb2f_time	10	24.058 s	0.669 s
linprog	3803	15.433 s	1.247 s
...lock_ns_cell_MLjournal_subgraph_gs_ws	1893	11.321 s	0.930 s
...ock_ns_cell_MLjournal_subgraph_gs_ws2	1893	10.792 s	0.789 s
...riorPoint>LinprogInteriorPoint.run	3803	9.491 s	0.057 s
iplp	3803	7.512 s	0.104 s
optim\private\interiorPointLPmex (MEX-file)	3803	6.953 s	6.953 s
optimization_M_lobpcg	100	3.199 s	2.951 s
optimization_M_scalars	90	2.859 s	0.191 s
optimization_M_NR	1911	2.105 s	0.049 s
...edLinear.performExitflagAndMsgActions	3803	1.921 s	0.058 s
...eneralizedLinear.createExitflagAndMsg	3803	1.734 s	0.421 s
optimoptions	3813	1.475 s	0.032 s



SolverOptions>SolverOptions.setProperty	22838	1.470 s	0.133 s
createSolverOptions	3813	1.443 s	0.291 s
...t>LinprogInteriorPoint.getExitInfo	3803	1.313 s	0.114 s
Linprog>Linprog.Linprog	3813	1.152 s	0.039 s
optimization_M_gamma_M_lc	5520	1.124 s	0.522 s
...ithm>MultiAlgorithm.MultiAlgorithm	3813	1.113 s	0.023 s
...ptions>SolverOptions.SolverOptions	3813	1.090 s	0.390 s
...lizedLinear.getOptionValueAndFeedback	7606	0.944 s	0.370 s
optimization_M_gamma_M_lc_NR	1705	0.918 s	0.183 s
checkfield	22858	0.901 s	0.271 s
optimization_M_set_step_NR	1705	0.735 s	0.735 s
...rithm>MultiAlgorithm.set.Algorithm	3813	0.692 s	0.322 s
...dLinear>GeneralizedLinear.checkRun	3803	0.637 s	0.027 s
optimization_M_set_step_gradient	5520	0.602 s	0.602 s
...ear>GeneralizedLinear.checkProblem	3803	0.594 s	0.028 s
checkfield>prepareStringValue	22858	0.573 s	0.076 s
num2str	7700	0.479 s	0.090 s
...ns_cell_MLjournal_subgraph_FULL_gs_ws	1	0.463 s	0.109 s
prepareOptionsForSolver	3803	0.456 s	0.026 s

...>SolverOptions.setPropertyNoChecks	22858	0.439 s	0.439 s
num2str>handleNumericPrecision	7639	0.386 s	0.028 s
...SolverOptions.extractOptionsStructure	7606	0.386 s	0.058 s
Linprog>Linprog.set.Diagnostics	3803	0.375 s	0.079 s
optimization_M_gamma_GD	1698	0.374 s	0.014 s
num2str>convertUsingRecycledSprintf	7639	0.359 s	0.359 s
optimget	34227	0.340 s	0.137 s
checkLinearConstraints	3803	0.333 s	0.055 s
Linprog>Linprog.set.Display	3813	0.328 s	0.060 s
...Linprog.extractCustomOptionsStructure	7606	0.328 s	0.045 s
...gorithm.extractCustomOptionsStructure	7606	0.283 s	0.161 s
Linprog>Linprog.createAlgorithm	3803	0.268 s	0.163 s
checkfield>isCaseSensitiveField	22858	0.259 s	0.082 s
+algorithm\private\createCSHLinks	15212	0.255 s	0.255 s
rmfield	7607	0.247 s	0.247 s
Linprog>Linprog.set.MaxIter	3803	0.242 s	0.052 s
Linprog>Linprog.set.TolCon	3803	0.239 s	0.054 s
checkfield>deblankString	11429	0.237 s	0.047 s
gurobi_test	1	0.228 s	0.007 s

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Linprog>Linprog.set.TolFun	3803	0.222 s	0.052 s
gurobi (MEX-file)	1	0.220 s	0.220 s
optimget>optimgetfast	34227	0.203 s	0.203 s
lsml_gradient	1912	0.198 s	0.198 s
...ons>SolverOptions.convertForSolver	3803	0.196 s	0.196 s
strip	11429	0.190 s	0.151 s
isoptimargdbl	15212	0.180 s	0.180 s
cell.ismember	22858	0.177 s	0.177 s
checkLinearConstraints>i_isSolver	3803	0.168 s	0.020 s
SolverOptions>SolverOptions.isSetByUser	30424	0.161 s	0.161 s
importdata	1	0.157 s	0.007 s
mean	12489	0.149 s	0.121 s
createProblemStruct	3803	0.148 s	0.148 s
checkBoundConstraints	3803	0.142 s	0.044 s
checkbounds	7606	0.136 s	0.136 s
importdata>LocalTextRead	1	0.135 s	0.003 s
iplp>i_unwrapInternalOptions	3803	0.126 s	0.028 s
lsml_obj	3812	0.123 s	0.123 s
+algorithm\private\removeHTMLTags	3803	0.105 s	0.105 s

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cond	12468	0.103 s	0.103 s
importdata>parse	1	0.091 s	0.003 s
...rogInteriorPoint.LinprogInteriorPoint	3803	0.087 s	0.076 s
checkLinearObjective	3803	0.079 s	0.037 s
importdata>readData	1	0.072 s	0.065 s
...tion_M_one_against_one_voting_1_and_2	10	0.044 s	0.012 s
...tion_M_one_against_one_binary_results	10	0.038 s	0.038 s
checkfield>stringsType	11429	0.037 s	0.037 s
...Constraints>i_checkConstraintSizes	3803	0.033 s	0.033 s
optimization_M_initialization	10	0.031 s	0.031 s
iplp>i_createOutputStructure	3803	0.030 s	0.030 s
mean>mysize	12489	0.029 s	0.029 s
...ization_M_one_against_one_voted_label	10	0.029 s	0.029 s
str....te\convertStringToOriginalTextType	11429	0.028 s	0.028 s
Linprog>Linprog.get.Display	3804	0.025 s	0.025 s
importdata>fixLineEndings	2	0.024 s	0.024 s
Linprog>Linprog.get.TolFun	3803	0.024 s	0.024 s
crossvalind	1	0.021 s	0.005 s
...nts>i_ensureEmptyConHasCorrectSize	3803	0.021 s	0.021 s

...inear>GeneralizedLinear.getNumVars	7606	0.020 s	0.020 s
Linprog>Linprog.get.TolCon	3803	0.020 s	0.020 s
...rithm>MultiAlgorithm.get.Algorithm	3803	0.018 s	0.018 s
Linprog>Linprog.setInternalOptions	3803	0.017 s	0.017 s
rng	13	0.016 s	0.002 s
finfo	1	0.014 s	0.008 s
importdata>analyze	1	0.014 s	0.001 s
grp2idx	1	0.014 s	0.001 s
fileread	1	0.014 s	0.014 s
grp2idx	1	0.013 s	0.002 s
checkfield>nonNegReal	7626	0.013 s	0.013 s
importdata>isvaliddata	1	0.012 s	0.002 s
checkLinearConstraints>i_checkRealCoeffs	3803	0.011 s	0.011 s
...t:GeneralizedLinear.GeneralizedLinear	3803	0.011 s	0.011 s
...>SolverOptions.mapOptionsForSolver	7606	0.011 s	0.011 s
strfun\private\isTextStrict	11429	0.011 s	0.011 s
...t:SolverOptions.replaceSpecialStrings	7606	0.011 s	0.011 s
...hm>MultiAlgorithm.mapAlgorithmName	3813	0.009 s	0.009 s
importdata>maxNotData	1	0.009 s	0.002 s

importdata>isdata	502	0.008 s	0.008 s
Linprog>Linprog.checkOptions	3803	0.008 s	0.008 s
checkfield>nonNegInteger	3803	0.008 s	0.008 s
collectOutput	1	0.007 s	0.001 s
unique	1	0.006 s	0.004 s
std	30	0.006 s	0.001 s
rng>getCurrentType	13	0.006 s	0.001 s
...m.RandStream>RandStream.RandStream	13	0.006 s	0.003 s
lsml_S_D	10	0.005 s	0.005 s
optimization_M_LP_A_setting	10	0.005 s	0.005 s
var	30	0.005 s	0.004 s
grp2idx>toString	1	0.005 s	0.003 s
collectOutput>mergeColumns	1	0.004 s	0.004 s
...RandStream>localGetSetGlobalStream	26	0.004 s	0.003 s
...ons>SolverOptions.setAliasProperty	20	0.004 s	0.001 s
Linprog>Linprog.set.OptimalityTolerance	10	0.004 s	0.001 s
optimization_M_confusion_matrix_setting	10	0.003 s	0.003 s
...dStream>RandStream.setGlobalStream	13	0.003 s	0.000 s
iofun\private\guesssdelim	1	0.003 s	0.003 s

ops\private\uniquelegacy	1	0.003 s	0.003 s
finfo>getExtension	1	0.003 s	0.001 s
int2str	61	0.003 s	0.003 s
strmatch	1	0.003 s	0.003 s
fileparts	3	0.002 s	0.002 s
RandStream.RandStream>RandStream.subsref	13	0.002 s	0.002 s
importdata>TrimTrailing	1	0.002 s	0.001 s
...dStream>RandStream.getGlobalStream	13	0.002 s	0.000 s
strtok	1	0.002 s	0.001 s
optimization_M_oao_vae	10	0.002 s	0.002 s
collectOutput>getTypesLengths	1	0.002 s	0.002 s
RandStream.RandStream>getargs	13	0.002 s	0.002 s
strtok>doStrtok	1	0.001 s	0.001 s
Linprog>Linprog.set.ConstraintTolerance	10	0.001 s	0.000 s
intmax	2	0.001 s	0.001 s
importdata>split	1	0.001 s	0.001 s
RandStream.RandStream>RandStream.algName	13	0.001 s	0.001 s
var>mysize	30	0.001 s	0.001 s
intmin	1	0.001 s	0.001 s

xlsreadSupportedExtensions	3	0.001 s	0.001 s
importdata>LocalRowColShuffle	1	0.001 s	0.001 s
RandStream.RandStream>RandStream.delete	13	0.001 s	0.001 s
importdata>getLines	2	0.001 s	0.001 s
onCleanup>onCleanup.delete	1	0.000 s	0.000 s
importdata>@(x)(isnan(x))	2	0.000 s	0.000 s
onCleanup>onCleanup.onCleanup	1	0.000 s	0.000 s
Linprog>Linprog.get.MaxTime	1	0.000 s	0.000 s
ispc	3	0.000 s	0.000 s
optimization_M_oao_oaa_error	10	0.000 s	0.000 s
finfo>@().warning(avWarnState)	1	0.000 s	0.000 s
isdatetime	1	0.000 s	0.000 s
isduration	1	0.000 s	0.000 s
optimization_M_net_error	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.

nctions.