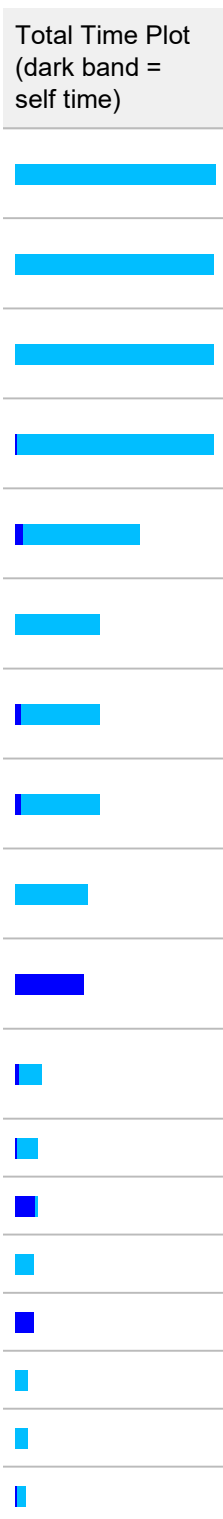


Profile Summary

Generated 13-Jun-2020 12:32:40 using performance time.

Function Name	Calls	Total Time	Self Time*
main_obj_comparison	1	82.730 s	0.393 s
optimization_M_one_against_one_BCD	10	81.884 s	0.003 s
...n_M_one_against_one_binary_R_Block_CD	10	81.881 s	0.152 s
...tion_M_MLjournal_subgraph_1sbb2f_time	10	81.687 s	0.692 s
linprog	10213	51.078 s	3.332 s
...riorPoint>LinprogInteriorPoint.run	10213	35.187 s	0.146 s
...lock_ns_cell_MLjournal_subgraph_gs_ws	5000	34.653 s	2.716 s
...ock_ns_cell_MLjournal_subgraph_gs_ws2	5000	34.542 s	2.364 s
iplp	10213	29.989 s	0.274 s
optim\private\interiorPointLPmex (MEX-file)	10213	28.491 s	28.491 s
...ns_cell_MLjournal_subgraph_FULL_gs_ws	10	10.463 s	1.376 s
optimization_M_scalars	386	8.860 s	0.826 s
optimization_M_lobpcg	396	8.568 s	7.873 s
gurobi_test	29	7.750 s	0.088 s
gurobi (MEX-file)	29	7.661 s	7.661 s
...edLinear.performExitflagAndMsgActions	10213	5.052 s	0.151 s
optimization_M_NR	5242	4.806 s	0.062 s
...eneralizedLinear.createExitflagAndMsg	10213	4.562 s	1.102 s



optimization_M_gamma_M_lc	10485	4.355 s	1.757 s
SolverOptions>SolverOptions.setProperty	61298	3.948 s	0.356 s
optimoptions	10223	3.867 s	0.081 s
createSolverOptions	10223	3.786 s	0.762 s
...t>LinprogInteriorPoint.getExitInfo	10213	3.460 s	0.296 s
Linprog>Linprog.Linprog	10223	3.024 s	0.098 s
...ithm>MultiAlgorithm.MultiAlgorithm	10223	2.926 s	0.060 s
...ptions>SolverOptions.SolverOptions	10223	2.866 s	1.032 s
mcm1_gradient_step_size	10485	2.598 s	2.598 s
...lizedLinear.getOptionValueAndFeedback	20426	2.483 s	0.971 s
checkfield	61318	2.399 s	0.685 s
...rithm>MultiAlgorithm.set.Algorithm	10223	1.823 s	0.858 s
...dLinear>GeneralizedLinear.checkRun	10213	1.661 s	0.070 s
checkfield>prepareStringValue	61318	1.555 s	0.215 s
...ear>GeneralizedLinear.checkProblem	10213	1.548 s	0.066 s
num2str	20520	1.250 s	0.225 s
prepareOptionsForSolver	10213	1.202 s	0.067 s
...>SolverOptions.setPropertyNoChecks	61318	1.196 s	1.196 s
num2str>handleNumericPrecision	20478	1.023 s	0.068 s
...SolverOptions.extractOptionsStructure	20426	1.007 s	0.148 s
Linprog>Linprog.set.Diagnostics	10213	0.998 s	0.214 s
num2str>convertUsingRecycledSprintf	20478	0.955 s	0.955 s
optimget	91917	0.954 s	0.380 s
Linprog>Linprog.set.Display	10223	0.886 s	0.163 s
checkLinearConstraints	10213	0.863 s	0.141 s
...Linprog.extractCustomOptionsStructure	20426	0.859 s	0.121 s
mcm1_gradient	5275	0.774 s	0.774 s
...gorithm.extractCustomOptionsStructure	20426	0.738 s	0.418 s
checkfield>isCaseSensitiveField	61318	0.715 s	0.234 s

[illegible]

Linprog>Linprog.createAlgorithm	10213	0.704 s	0.430 s
+algorithm\private\createCSHLinks	40852	0.682 s	0.682 s
rmfield	20427	0.680 s	0.680 s
Linprog>Linprog.set.MaxIter	10213	0.660 s	0.141 s
Linprog>Linprog.set.TolCon	10213	0.659 s	0.150 s
mcmI_obj	5483	0.642 s	0.642 s
checkfield>deblankString	30659	0.625 s	0.122 s
Linprog>Linprog.set.TolFun	10213	0.614 s	0.142 s
optimget>optimgetfast	91917	0.574 s	0.574 s
...ons>SolverOptions.convertForSolver	10213	0.527 s	0.527 s
strip	30659	0.503 s	0.399 s
cell.ismember	61318	0.480 s	0.480 s
isoptimargdbl	40852	0.480 s	0.480 s
checkLinearConstraints>i_isSolver	10213	0.447 s	0.052 s
SolverOptions>SolverOptions.isSetByUser	81704	0.429 s	0.429 s
mean	33045	0.408 s	0.329 s
createProblemStruct	10213	0.394 s	0.394 s
optimization_M_gamma_M_lc_NR	71	0.388 s	0.234 s
checkBoundConstraints	10213	0.379 s	0.116 s
checkbounds	20426	0.363 s	0.363 s
iplp>i_unwrapInternalOptions	10213	0.349 s	0.073 s
cond	33023	0.293 s	0.293 s
+algorithm\private\removeHTMLTags	10213	0.275 s	0.275 s
...rogInteriorPoint.LinprogInteriorPoint	10213	0.226 s	0.200 s
addpath	5	0.211 s	0.008 s
checkLinearObjective	10213	0.208 s	0.095 s
path	5	0.202 s	0.153 s
importdata	1	0.162 s	0.007 s
mcmI_gradient_step_size_NR	71	0.154 s	0.154 s

importdata>LocalTextRead	1	0.139 s	0.003 s
checkfield>stringsType	30659	0.100 s	0.100 s
importdata>parse	1	0.095 s	0.003 s
...Constraints>i_checkConstraintSizes	10213	0.082 s	0.082 s
mean>mysize	33045	0.079 s	0.079 s
importdata>readData	1	0.075 s	0.069 s
str...te\convertStringToOriginalTextType	30659	0.074 s	0.074 s
iplp>i_createOutputStructure	10213	0.073 s	0.073 s
Linprog>Linprog.get.Display	10242	0.064 s	0.064 s
Linprog>Linprog.get.TolFun	10213	0.062 s	0.062 s
...inear>GeneralizedLinear.getNumVars	20426	0.054 s	0.054 s
...nts>i_ensureEmptyConHasCorrectSize	10213	0.053 s	0.053 s
Linprog>Linprog.get.TolCon	10213	0.051 s	0.051 s
...rithm>MultiAlgorithm.get.Algorithm	10213	0.048 s	0.048 s
Linprog>Linprog.setInternalOptions	10213	0.045 s	0.045 s
general\private\parsedirs	10	0.042 s	0.042 s
...tion_M_one_against_one_voting_1_and_2	10	0.038 s	0.008 s
checkfield>nonNegReal	20446	0.036 s	0.036 s
...tion_M_one_against_one_binary_results	10	0.036 s	0.036 s
optimization_M_initialization	10	0.031 s	0.031 s
strfun\private\isTextStrict	30659	0.029 s	0.029 s
...ization_M_one_against_one_voted_label	10	0.027 s	0.027 s
...hm>MultiAlgorithm.mapAlgorithmName	10223	0.026 s	0.026 s
...t;SolverOptions.replaceSpecialStrings	20426	0.026 s	0.026 s
...t;GeneralizedLinear.GeneralizedLinear	10213	0.026 s	0.026 s
...>SolverOptions.mapOptionsForSolver	20426	0.025 s	0.025 s
checkLinearConstraints>i_checkRealCoeffs	10213	0.024 s	0.024 s
importdata>fixLineEndings	2	0.023 s	0.023 s
checkfield>nonNegInteger	10213	0.022 s	0.022 s

Linprog>Linprog.checkOptions	10213	0.021 s	0.021 s
crossvalind	1	0.021 s	0.005 s
rng	13	0.017 s	0.002 s
optimization_M_gamma_GD	1	0.016 s	0.001 s
finfo	1	0.015 s	0.009 s
importdata>analyze	1	0.014 s	0.002 s
fileread	1	0.014 s	0.014 s
grp2idx	1	0.013 s	0.001 s
unique	11	0.013 s	0.006 s
grp2idx	1	0.013 s	0.002 s
importdata>isvaliddata	1	0.012 s	0.002 s
mcmI_get_variables_ready	10	0.010 s	0.003 s
importdata>maxNotData	1	0.009 s	0.002 s
importdata>isdata	502	0.008 s	0.008 s
collectOutput	1	0.007 s	0.001 s
std	30	0.006 s	0.002 s
strcat	5	0.006 s	0.006 s
rng>getCurrentType	13	0.006 s	0.002 s
...m.RandStream>RandStream.RandStream	13	0.006 s	0.004 s
var	30	0.005 s	0.004 s
...RandStream>localGetSetGlobalStream	26	0.004 s	0.003 s
unique>uniqueR2012a	10	0.004 s	0.004 s
...ons>SolverOptions.setAliasProperty	20	0.004 s	0.001 s
Linprog>Linprog.set.OptimalityTolerance	10	0.004 s	0.001 s
collectOutput>mergeColumns	1	0.004 s	0.004 s
optimization_M_LP_A_setting	10	0.004 s	0.004 s
grp2idx>toString	1	0.003 s	0.002 s
optimization_M_confusion_matrix_setting	10	0.003 s	0.003 s
finfo>getExtension	1	0.003 s	0.001 s

iofun\private\guessdelim	1	0.003 s	0.003 s
...dStream>RandStream.setGlobalStream	13	0.003 s	0.000 s
ops\private\uniquelegacy	1	0.003 s	0.003 s
fileparts	3	0.003 s	0.002 s
strmatch	1	0.002 s	0.002 s
RandStream.RandStream>RandStream.subsref	13	0.002 s	0.002 s
int2str	42	0.002 s	0.002 s
...dStream>RandStream.getGlobalStream	13	0.002 s	0.000 s
strtok	1	0.002 s	0.001 s
general\private\catdirs	5	0.002 s	0.001 s
importdata>TrimTrailing	1	0.002 s	0.001 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
optimization_M_oao_vae	10	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
var>mysize	30	0.001 s	0.001 s
RandStream.RandStream>RandStream.algName	13	0.001 s	0.001 s
intmin	1	0.001 s	0.001 s
onCleanup>onCleanup.delete	1	0.001 s	0.000 s
xlsreadSupportedExtensions	3	0.001 s	0.001 s
importdata>LocalRowColShuffle	1	0.001 s	0.001 s
importdata>getLines	2	0.001 s	0.001 s
RandStream.RandStream>RandStream.delete	13	0.001 s	0.001 s
Linprog>Linprog.get.MaxTime	29	0.001 s	0.001 s
blanks	5	0.001 s	0.001 s
onCleanup>onCleanup.onCleanup	1	0.000 s	0.000 s

importdata>@(x)(isnan(x))	2	0.000 s	0.000 s
pathsep	15	0.000 s	0.000 s
path>isValidInput	10	0.000 s	0.000 s
filesep	10	0.000 s	0.000 s
ispc	3	0.000 s	0.000 s
finfo>@().warning(avWarnState)	1	0.000 s	0.000 s
optimization_M_oao_oaa_error	10	0.000 s	0.000 s
optimization_M_net_error	1	0.000 s	0.000 s
isdatetime	1	0.000 s	0.000 s
isduration	1	0.000 s	0.000 s

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

ctions.