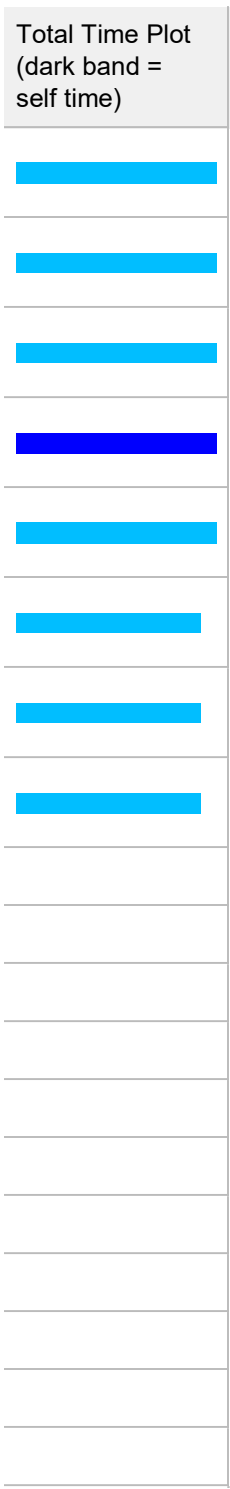


Profile Summary

Generated 21-Jul-2017 04:19:42 using performance time.

Function Name	Calls	Total Time	Self Time*
RBF_Fmincon	1	38861.814 s	21.209 s
fmincon	1	38821.985 s	0.174 s
...n>@(x)matlab_utility_g(x,varargin)	3000	38820.376 s	0.127 s
matlab_utility_g	3000	38820.249 s	38820.249 s
barrier	1	38808.399 s	0.379 s
computeFinDiffGradAndJac	44	35874.118 s	0.028 s
finitedifferences	44	35874.088 s	0.185 s
finDiffEvalAndChkErr	2772	35873.901 s	0.171 s
matlab_utility_g_multiprocessing	1	12.873 s	12.873 s
matlab_utility_global	119	4.630 s	4.630 s
global_RBF_TRM	1	1.649 s	0.015 s
RBFM	23	0.809 s	0.514 s
optim\private\computeTrialStep	227	0.376 s	0.086 s
phifunc	142074	0.295 s	0.295 s
multiprocessing_setup	1	0.211 s	0.196 s
optim\private\tangentialStep	85	0.141 s	0.044 s
optim\private\projConjGrad	85	0.086 s	0.042 s
Trust	23	0.083 s	0.049 s
optim\private\normalStep	85	0.063 s	0.017 s



optim\private\formAndFactorKKTmatrix	44	0.061 s	0.003 s
optim\private\solveAugSystem	495	0.046 s	0.021 s
optim\private\updatePenaltyParam	227	0.040 s	0.033 s
...e\projConjGrad>computeProjResidual	275	0.037 s	0.011 s
optim\private\inlpStopTest	44	0.037 s	0.033 s
optim\private\formJacobian	44	0.032 s	0.026 s
...rmAndFactorKKTmatrix>formKKTmatrix	44	0.032 s	0.017 s
Trust>rfzero	22	0.031 s	0.022 s
optim\private\normalCauchyStep	85	0.028 s	0.017 s
optim\private\backsolveSys	539	0.027 s	0.027 s
...AndFactorKKTmatrix>factorKKTmatrix	44	0.026 s	0.026 s
spdiags	219	0.024 s	0.024 s
optim\private\formConstraints	228	0.022 s	0.022 s
optim\private\formAndFactorAugMatrix	43	0.021 s	0.003 s
optim\private\leastSquaresLagrangeMults	50	0.018 s	0.010 s
optimfcnchk	1	0.018 s	0.018 s
optim\private\acceptanceTest	227	0.018 s	0.018 s
optim\private\normalNewtonStep	85	0.018 s	0.009 s
optim\private\xFixedAndBounds	227	0.016 s	0.016 s
optim\private\computeHessian	44	0.015 s	0.013 s
toolboxdir	2	0.015 s	0.002 s
optimget	39	0.014 s	0.003 s
fullfile	2	0.013 s	0.005 s
Trust>seceqn	524	0.013 s	0.013 s
optim\private\hessTimesVector	583	0.012 s	0.012 s
optimget>optimgetfast	39	0.012 s	0.012 s
getlpOptions	1	0.010 s	0.004 s

optim\private\truncateTangStep	85	0.009 s	0.006 s
...AndFactorAugMatrix>factorAugMatrix	43	0.009 s	0.009 s
optim\private\barrierTestAndUpdate	44	0.009 s	0.002 s
...rmAndFactorAugMatrix>formAugMatrix	43	0.009 s	0.006 s
prepareOptionsForSolver	1	0.007 s	0.004 s
...rierTestAndUpdate>barrierStopTest	44	0.007 s	0.007 s
...te\projConjGrad>getProjectionAngle	275	0.006 s	0.006 s
optim\private\fractionToBoundaryScaled	132	0.006 s	0.006 s
barrier>nlpInterfaceFcn	229	0.006 s	0.006 s
fullfile>refinePath	2	0.006 s	0.002 s
optim\private\solveKKTsystem	44	0.006 s	0.003 s
createExitMsg	1	0.005 s	0.005 s
optim\private\backtrack	98	0.005 s	0.005 s
optim\private\accStepTRupdate	43	0.004 s	0.004 s
opt...ivate\fractionToBoundaryTangential	85	0.004 s	0.004 s
fullfile>fixIRI	2	0.004 s	0.001 s
barrier>initialization	1	0.003 s	0.003 s
...\projConjGrad>stplngthToTrBoundary	81	0.003 s	0.003 s
createOptionFeedback	1	0.003 s	0.003 s
optim\private\fractionToBoundary	44	0.003 s	0.003 s
opt...vate\fractionToBoundaryHonorBounds	44	0.003 s	0.003 s
setOptimFcnHandleOnWorkers	1	0.003 s	0.002 s
optimlib\private\classifyBoundsOnVars	1	0.003 s	0.002 s
formLambdaStruct	1	0.002 s	0.002 s
optim\private\dampingProcedure	43	0.002 s	0.002 s
fullfile>ensureTrailingFilesep	2	0.002 s	0.001 s
isoptimargdbl	2	0.002 s	0.002 s

nonzerosign	88	0.002 s	0.002 s
startsWith	2	0.002 s	0.002 s
checkbounds	1	0.002 s	0.002 s
getNumericOrStringFieldValue	4	0.002 s	0.001 s
validateopts_UseParallel	45	0.002 s	0.002 s
fullfile>addTrailingFileSep	2	0.001 s	0.001 s
validateFinDiffRelStep	1	0.001 s	0.001 s
...te\classifyBoundsOnVars>equalFloat	1	0.001 s	0.001 s
fcnchk	1	0.001 s	0.001 s
setSize	1	0.001 s	0.001 s
strfun\private\isTextStrict	2	0.000 s	0.000 s
phiprimefunc	23	0.000 s	0.000 s
checkoptionsize	1	0.000 s	0.000 s
barrier>printLevel	1	0.000 s	0.000 s
barrier>displayHeader	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.

ons. Self