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

Function Name	Calls	Total Time	Self Time*
RBF_Fimincon	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
<u>barrier</u>	1	38808.399 s	0.379 s
computeFinDiffGradAndJac	44	35874.118 s	0.028 s
finitedifferences	44	35874.088 s	0.185 s
<u>finDiffEvalAndChkEr</u> r	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
<u>Trust</u>	23	0.083 s	0.049 s
optim\private\normalStep	85	0.063 s	0.017 s

Total Time Plot (dark band = self time)

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\nlpStopTest 44 0.032 s 0.026 s rmAndFactorKKTmatrix>formKKTmatrix 44 0.032 s 0.017 s rmAndFactorKKTmatrix>formKKTmatrix 44 0.032 s 0.017 s optim\private\normalCauchyStep 85 0.028 s 0.017 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 0.010 s optim\private\lacksolveAugmatellaestSquaresLagrangeMults 50 0.018 s 0.018 s optim\private\normalNewtonStep 85 0.0	optim\private\formAndFactorKKTmatrix	44	0.061 s	0.003 s
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	optim\private\hessTimesVector	583	0.012 s	0.012 s
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	getIpOptions	1	0.010 s	0.004 s

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barrier>initialization\projConjGrad>stpIngthToTrBoundary createOptionFeedback	00	0.004 s	0.004 s
\projConjGrad>stplngthToTrBoundary createOptionFeedback	2	0.004 s	0.001 s
<u>createOptionFeedback</u>	1	0.003 s	0.003 s
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optim\private\fractionToBoundary	1	0.003 s	0.003 s
	44	0.003 s	0.003 s
$\underline{optvate} \\ In To Boundary \\ Honor Bounds$	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			0.004 -
isoptimargdbl	2	0.002 s	0.001 s

nonzerosign	88	0.002 s	0.002 s
<u>startsWith</u>	2	0.002 s	0.002 s
checkbounds	1	0.002 s	0.002 s
<u>getNumericOrStringFieldValue</u>	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
<u>validateFinDiffRelStep</u>	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
<u>setSizes</u>	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 functi time also includes overhead resulting from the process of profiling.

ons. Self