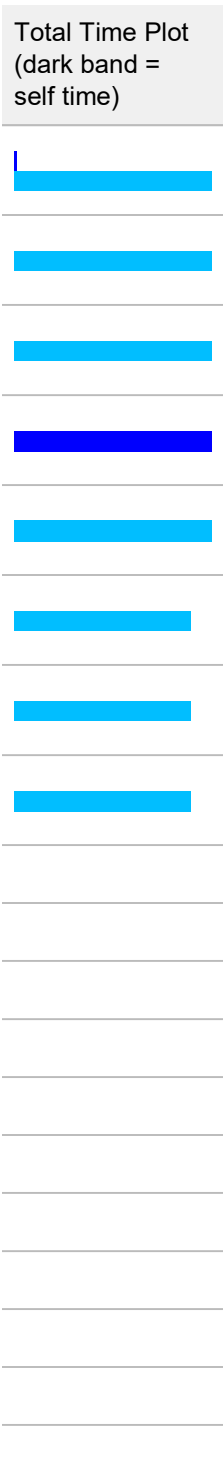


## Profile Summary

Generated 23-Jul-2017 02:55:24 using performance time.

<a href="#">Function Name</a>	<a href="#">Calls</a>	<a href="#">Total Time</a>	<a href="#">Self Time*</a>
<a href="#">GA_Fmincon</a>	1	13320.190 s	106.758 s
<a href="#">fmincon</a>	1	13199.146 s	0.171 s
<a href="#">...n&gt;@(x)matlab_utility_g(x,varargin)</a>	995	13197.927 s	0.040 s
<a href="#">matlab_utility_g</a>	995	13197.887 s	13197.887 s
<a href="#">barrier</a>	1	13185.319 s	0.289 s
<a href="#">computeFinDiffGradAndJac</a>	14	11700.682 s	0.028 s
<a href="#">finitedifferences</a>	14	11700.653 s	0.071 s
<a href="#">finDiffEvalAndChkErr</a>	882	11700.580 s	0.054 s
<a href="#">matlab_utility_g_multiprocessing</a>	1	13.601 s	13.601 s
<a href="#">multiprocessing_setup</a>	1	0.685 s	0.640 s
<a href="#">optim\private\computeTrialStep</a>	112	0.333 s	0.081 s
<a href="#">optim\private\tangentialStep</a>	66	0.106 s	0.050 s
<a href="#">optim\private\normalStep</a>	66	0.068 s	0.023 s
<a href="#">optim\private\formAndFactorKKTmatrix</a>	14	0.059 s	0.003 s
<a href="#">optim\private\projConjGrad</a>	66	0.046 s	0.021 s
<a href="#">...AndFactorKKTmatrix&gt;factorKKTmatrix</a>	14	0.036 s	0.036 s
<a href="#">optim\private\updatePenaltyParam</a>	112	0.036 s	0.033 s
<a href="#">optimfcnchk</a>	1	0.032 s	0.031 s
<a href="#">optim\private\solveAugSystem</a>	215	0.031 s	0.016 s



<a href="#">optim\private\formJacobian</a>	14	0.031 s	0.027 s
<a href="#">optim\private\InlpStopTest</a>	14	0.029 s	0.026 s
<a href="#">redirectstdout</a>	1	0.025 s	0.025 s
<a href="#">optim\private\normalCauchyStep</a>	66	0.025 s	0.016 s
<a href="#">toolboxdir</a>	4	0.019 s	0.003 s
<a href="#">...rmAndFactorKKTmatrix&gt;formKKTmatrix</a>	14	0.019 s	0.012 s
<a href="#">optim\private\normalNewtonStep</a>	66	0.019 s	0.008 s
<a href="#">...e\projConjGrad&gt;computeProjResidual</a>	67	0.018 s	0.007 s
<a href="#">optimget</a>	39	0.018 s	0.003 s
<a href="#">optim\private\leastSquaresLagrangeMults</a>	16	0.017 s	0.011 s
<a href="#">fullfile</a>	4	0.017 s	0.006 s
<a href="#">optim\private\backsolveSys</a>	229	0.016 s	0.016 s
<a href="#">optim\private\formConstraints</a>	113	0.016 s	0.016 s
<a href="#">optimget&gt;optimgetfast</a>	39	0.015 s	0.015 s
<a href="#">optim\private\formAndFactorAugMatrix</a>	14	0.014 s	0.003 s
<a href="#">optim\private\acceptanceTest</a>	112	0.014 s	0.014 s
<a href="#">spdiags</a>	70	0.013 s	0.013 s
<a href="#">optim\private\computeHessian</a>	14	0.012 s	0.010 s
<a href="#">optim\private\xFixedAndBounds</a>	112	0.010 s	0.010 s
<a href="#">getlpOptions</a>	1	0.009 s	0.003 s
<a href="#">optim\private\barrierTestAndUpdate</a>	14	0.008 s	0.002 s
<a href="#">fullfile&gt;refinePath</a>	4	0.008 s	0.003 s
<a href="#">optim\private\hessTimesVector</a>	245	0.007 s	0.007 s
<a href="#">optim\private\truncateTangStep</a>	66	0.007 s	0.005 s
<a href="#">createExitMsg</a>	1	0.007 s	0.007 s
<a href="#">...rmAndFactorAugMatrix&gt;formAugMatrix</a>	14	0.006 s	0.005 s
<a href="#">...rierTestAndUpdate&gt;barrierStopTest</a>	14	0.006 s	0.006 s



<a href="#">...\projConjGrad&gt;stplngthToTrBoundary</a>	66	0.006 s	0.006 s
<a href="#">optim\private\fractionToBoundaryScaled</a>	143	0.005 s	0.005 s
<a href="#">...\AndFactorAugMatrix&gt;factorAugMatrix</a>	14	0.005 s	0.005 s
<a href="#">prepareOptionsForSolver</a>	1	0.005 s	0.003 s
<a href="#">optim\private\backtrack</a>	32	0.005 s	0.005 s
<a href="#">fullfile&gt;fixIRI</a>	4	0.005 s	0.002 s
<a href="#">optim\private\solveKKTsystem</a>	14	0.004 s	0.003 s
<a href="#">optim\private\fractionToBoundary</a>	14	0.004 s	0.004 s
<a href="#">barrier&gt;nlpInterfaceFcn</a>	114	0.004 s	0.004 s
<a href="#">...te\projConjGrad&gt;getProjectionAngle</a>	67	0.003 s	0.003 s
<a href="#">barrier&gt;initialization</a>	1	0.003 s	0.003 s
<a href="#">optimlib\private\classifyBoundsOnVars</a>	1	0.003 s	0.002 s
<a href="#">fullfile&gt;ensureTrailingFilesep</a>	4	0.003 s	0.001 s
<a href="#">opt...vate\fractionToBoundaryHonorBounds</a>	14	0.003 s	0.003 s
<a href="#">startsWith</a>	4	0.003 s	0.002 s
<a href="#">optim\private\dampingProcedure</a>	13	0.002 s	0.002 s
<a href="#">isoptimargdbl</a>	2	0.002 s	0.002 s
<a href="#">setOptimFcnHandleOnWorkers</a>	1	0.002 s	0.002 s
<a href="#">optim\private\accStepTRupdate</a>	13	0.002 s	0.002 s
<a href="#">checkbounds</a>	1	0.002 s	0.002 s
<a href="#">formLambdaStruct</a>	1	0.002 s	0.002 s
<a href="#">createOptionFeedback</a>	1	0.002 s	0.002 s
<a href="#">getNumericOrStringFieldValue</a>	4	0.002 s	0.001 s
<a href="#">fullfile&gt;addTrailingFileSep</a>	4	0.002 s	0.002 s
<a href="#">nonzerosign</a>	28	0.002 s	0.002 s
<a href="#">opt...ivate\fractionToBoundaryTangential</a>	66	0.001 s	0.001 s
<a href="#">validateopts__UseParallel</a>	15	0.001 s	0.001 s



<a href="#">...te\classifyBoundsOnVars&gt;equalFloat</a>	1	0.001 s	0.001 s
<a href="#">validateFinDiffRelStep</a>	1	0.001 s	0.001 s
<a href="#">fcnchk</a>	1	0.001 s	0.001 s
<a href="#">strfun\private\isTextStrict</a>	4	0.001 s	0.001 s
<a href="#">setSizes</a>	1	0.001 s	0.001 s
<a href="#">ispc</a>	1	0.000 s	0.000 s
<a href="#">checkoptionsize</a>	1	0.000 s	0.000 s
<a href="#">barrier&gt;printLevel</a>	1	0.000 s	0.000 s
<a href="#">barrier&gt;displayHeader</a>	1	0.000 s	0.000 s

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


ctions. Self