Profile Summary (Total time: 476.720 s)

Generated 29-Juli-2021 14:03:08 using performance time.

Function Name	Calls	Total Time (s)	Self Time* (s)	Total Time Plot (dark band = self time)
HHAlgorithm>HHAlgorithm.update_populations	20997	376.069	18.601	
exp1	1	236.752	0.004	
platemo	1	236.748	0.010	
ALGORITHM>ALGORITHM.Solve	301	236.542	1.999	
HHProblem>HHProblem.CalObj	10	236.428	1.013	
HHAlgorithm>HHAlgorithm.main	300	212.200	3.274	
HH_MOEADD>HH_MOEADD.update	19716	158.937	28.492	
HH_NSGAIII>HH_NSGAIII.main	642	85.505	1.588	
pdist2	693363	78.014	46.102	
HH_MOEAD>HH_MOEAD.update	18336	57.896	18.833	
HH_MOEAD>HH_MOEAD.main	285	52.547	3.844	
HH_SPEA2>HH_SPEA2.main	339	50.852	0.839	
HH_GLMO>HH_GLMO.main	369	48.797	1.085	
hist	580086	45.086	19.979	
HH_IBEA>HH_IBEA.main	273	42.928	0.723	
LocateWorst	257636	36.841	7.130	
HH_NSGAII>HH_NSGAII.main	270	36.657	0.866	
HH_SPEA2SDE>HH_SPEA2SDE.main	270	36.616	0.847	
HH_MOEADD>HH_MOEADD.main	204	32.914	4.266	
SOLUTION>SOLUTION.objs	2015489	30.063	30.063	
NDSort	104755	29.241	3.106	
HH_MOMBIII>HH_MOMBIII.main	219	27.994	1.320	
NDSort>ENS_SS	104755	26.135	10.565	
axescheck	580086	25.107	18.744	
HH_GLMO>HH_GLMO.update	18498	24.584	2.360	
HH_tDEA>HH_tDEA.update	20172	24.158	2.089	
HH_NSGAIII>HH_NSGAIII.update	16839	21.539	2.131	
HH_SPEA2SDE_EnvironmentalSelection	20997	20.789	1.458	
UniformPoint	115647	20.721	6.029	
GLMO_NSGAIIIEnvironmentalSelection	20997	20.137	1.679	
HH_SPEA2SDE>HH_SPEA2SDE.update	19236	19.917	0.757	
HH_NSGAIIIEnvironmentalSelection	20997	19.708	1.699	
HH_tDEA_EnvironmentalSelection	20997	18.819	2.118	
parseArgs	693363	18.798	12.715	
UpdateFront	595800	18.046	18.046	
addpath	603	16.887	0.291	
HH_tDEA>HH_tDEA.main	129	16.644	0.504	
path	603	16.566	13.394	
HH_SPEA2_EnvironmentalSelection	20997	15.248	1.453	
UniformPoint>NBI	115647	14.692	3.386	
HH_NSGAIIEnvironmentalSelection	21267	14.674	1.454	
SOLUTION>SOLUTION.SOLUTION	170355	14.239	6.293	
HH_SPEA2>HH_SPEA2.update	18417	14.115	0.751	
HH_NSGAII>HH_NSGAII.update	19164	14.007	0.779	
HH_SPEA2SDE_CalFitness	21267	13.955	13.955	

pdist2>normalizeXY	638796	13.114	13.114	
HH_MOMBIII>HH_MOMBIII.update	19638	12.207	2.899	
ismember	607526	12.009	3.969	
unique	301993	11.778	8.992	
nchoosek	850029	11.306	7.424	
HH_IBEA_EnvironmentalSelection	20997	10.391	2.824	
CalPBI	412340	10.333	10.333	
HH_NSGAIIIEnvironmentalSelection>LastSelection	20997	10.309	5.599	
GLMO_NSGAIIIEnvironmentalSelection>LastSelection	20997	10.295	5.580	
HH_IBEA>HH_IBEA.update	18957	10.107	0.730	
HH_SPEA2_CalFitness	21336	9.366	6.209	
OperatorGAhalf	59130	8.812	7.666	
ismember>ismemberR2012a	607526	8.040	4.106	
SOLUTION>SOLUTION.cons	465971	7.577	7.577	
HH_IBEA_CalFitness	20997	6.888	6.888	
axescheck>@(x)(isStringScalar(x)||ischar(x))&&strcmpi('parent',x)	1160172	6.363	4.147	
HH_tDEA_EnvironmentalSelection>tNDSort	20997	6.124	3.169	
parseArgs	693363	6.083	6.083	
GA>GA.main	1	5.412	0.009	
CrowdingDistance	21267	5.057	1.242	
R2Ranking	21216	5.002	2.623	
sortrows	571127	4.962	4.140	
OperatorGA	14565	4.700	4.030	
DTLZ1>DTLZ1.CalObj	76485	4.454	3.956	
HH_SPEA2SDE_EnvironmentalSelection>Truncation	14838	4.315	3.703	
ismember>ismemberBuiltinTypes	607526	3.934	3.934	
nchoosek>combs	115647	3.882	3.882	
HH_SPEA2_EnvironmentalSelection>Truncation	14129	3.364	1.083	
DTLZ1>DTLZ1.DTLZ1	300	3.273	0.204	
PROBLEM>PROBLEM.PROBLEM	301	3.081	0.593	
general\private\parsedirs	1206	3.061	3.052	
TournamentSelection	35454	3.055	2.356	
unique>uniqueR2012a	301993	2.787	2.787	
setdiff	21267	2.343	0.481	
isStringScalar	1160172	2.216	2.216	
DTLZ1>DTLZ1.GetOptimum	300	1.922	0.207	
setdiff>setdiffR2012a	21267	1.862	0.421	
Normalization	20997	1.737	1.737	
PROBLEM>PROBLEM.CalDec	76495	1.476	1.476	
GLMO_GA	2499	1.319	0.824	
PROBLEM>PROBLEM.Current	153010	1.235	1.235	
SOLUTION>SOLUTION.decs	76195	0.840	0.840	
sortrows>canCallBuiltinHelper	571127	0.822	0.822	
PROBLEM>PROBLEM.Initialization	301	0.560	0.427	
fliplr	76485	0.498	0.498	
deal	96495	0.478	0.478	
PROBLEM>PROBLEM.CalCon	76495	0.474	0.474	
HHAlgorithm>HHAlgorithm.HHAlgorithm	301	0.412	0.185	
GLMO_createGroups	2499	0.404	0.404	
HV	300	0.396	0.179	

DTLZ1>DTLZ1.Setting	300	0.358	0.358	
ALGORITHM>ALGORITHM.ParameterSet	301	0.316	0.316	
ALGORITHM>ALGORITHM.ALGORITHM	302	0.229	0.220	
TournamentSelection>@(S)reshape(S,[],1)	38646	0.226	0.226	
GD	277	0.212	0.077	
SOLUTION>SOLUTION.best	577	0.205	0.037	
CalFitness	2040	0.201	0.201	
DTLZ1>DTLZ1.GetPF	300	0.192	0.186	
genpath	228	0.121	0.089	
unifrnd	300	0.111	0.111	
strcat	603	0.107	0.097	
HV>Slice	137	0.055	0.015	
fileparts	603	0.054	0.021	
HV>Add	936	0.050	0.048	
UpdateReferencePoints	1359	0.044	0.044	
fileparts>legacyPCExecution	603	0.034	0.034	
fullfile	227	0.030	0.014	
general\private\catdirs	603	0.029	0.022	
ALGORITHM>ALGORITHM.NotTerminated	10	0.023	0.019	
HV>Insert	468	0.018	0.014	
cell.ismember	605	0.018	0.018	
pathsep	2037	0.017	0.017	
datatipinfo	1	0.015	0.006	
HHProblem>HHProblem.HHProblem	1	0.013	0.001	
fullfile>refinePath	227	0.012	0.005	
blanks	603	0.011	0.011	
cell2mat	1781	0.009	0.009	
datatipinfo>callDisp	2	0.009	0.000	
datatipinfo>dispStringWithHotLinksOff	2	0.008	0.001	
HHProblem>HHProblem.Setting	1	0.008	0.004	
fullfile>fixIRI	227	0.007	0.007	
datatipinfo>evalcWithHotlinksOff	2	0.007	0.001	
platemo>getSetting	2	0.006	0.005	
FitnessSingle	18	0.006	0.004	
linspace	301	0.006	0.006	
datatipinfo>sizeType	1	0.005	0.001	
ALGORITHM>ALGORITHM.Output	10	0.005	0.005	
HV>Tail	1016	0.004	0.004	
HV>Head	1703	0.004	0.004	
path>isValidInput	1206	0.004	0.004	
fullfile>ensureTrailingFilesep	227	0.004	0.001	
num2str	2	0.003	0.002	
median	100	0.003	0.003	
GA>GA.GA	1	0.002	0.001	
verLessThan	1	0.002	0.002	
fullfile>addTrailingFileSep	227	0.002	0.002	
PROBLEM>PROBLEM.ParameterSet	1	0.001	0.001	
VariableUtilities>VariableUtilities.getHeader	1	0.001	0.000	
int2str	2	0.001	0.001	
datatipinfo>truncateText	2	0.001	0.001	

verLessThan>getParts	1	0.001	0.001	
getHeader	1	0.001	0.000	
PROBLEM>PROBLEM.GetOptimum	1	0.000	0.000	
datatipinfo>@()format(origFormat)	1	0.000	0.000	
PROBLEM>PROBLEM.GetPF	1	0.000	0.000	
datatipinfo>getTruncationLimit	2	0.000	0.000	
getHeader>getDoubleHeader	1	0.000	0.000	
VariableUtilities>VariableUtilities.showHeader	1	0.000	0.000	
istall	1	0.000	0.000	

***Self time** is the time spent in a function excluding any time spent in child functions. The time includes any overhead time resulting from the profiling process.