

Profile Summary (Total time: 12.024 s)

Generated 14-Jul-2021 16:54:39 using performance time.

Function Name	Calls	Total Time (s)	Self Time* (s)	Total Time Plot (dark band = self time)
experimentRuns	1	12.024	1.489	
inference_routine	5	10.394	0.023	
parallel_function	45	9.806	0.028	
parallel_function>distributed_execution	45	9.570	0.132	
remoteparfor>remoteparfor.getCompleteIntervals	435	9.100	0.373	
java.util.concurrent.LinkedBlockingQueue (Java method)	1155	8.438	8.438	
voltage_deg_model_sparse_conductance	15	0.555	0.555	
remoteparfor>remoteparfor.addInterval	1110	0.279	0.089	
remoteparfor>remoteparfor.deserialize	1110	0.203	0.062	
parallel_function>@(initData,F)createEngine(M,initData,F)	45	0.159	0.001	
PoolOptions>PoolOptions.createEngine	45	0.158	0.003	
remoteparfor>remoteparfor.remoteparfor	45	0.155	0.009	
deserialize	1110	0.141	0.105	
remoteparfor>remoteparfor.buildParforController	45	0.140	0.022	
remoteparfor>remoteparfor.serialize	1155	0.136	0.010	
writematrix	5	0.127	0.004	
serialize	1155	0.126	0.024	
...s.toolbox.distcomp.pmode.parfor.ParforControllerImpl (Java method)	1470	0.088	0.088	
writetable	5	0.076	0.008	
getJavaFutureInterruptibly	45	0.073	0.017	
distcompserialize64 (MEX-file)	1155	0.060	0.060	
getJavaFutureResult	45	0.051	0.003	
writeTextFile	5	0.051	0.011	
java.util.concurrent.FutureTask (Java method)	90	0.049	0.049	
remoteparfor>remoteparfor.displayOutput	1110	0.042	0.037	
distcompMakeByteBufferHandles (MEX-file)	1155	0.042	0.042	
table.table>table.table	5	0.039	0.005	
...,pmode.parfor.ParforControllerImpl\$IntervalResultImpl (Java method)	3330	0.034	0.034	
parallel_function>distributed_execution/consume_reduce	855	0.026	0.026	
remoteparfor>remoteparfor.complete	45	0.020	0.002	
parforOptions	45	0.020	0.001	
PoolOptions>PoolOptions.build	45	0.018	0.004	
remoteparfor>remoteparfor.awaitCompletionDisplayingOutput	45	0.017	0.013	
tabular.tabular>tabular.initInternals	5	0.016	0.002	
distcompByteBufferHandles2MxArray (MEX-file)	1110	0.016	0.016	
PoolOptions>PoolOptions.PoolOptions	45	0.014	0.005	
rng	5	0.013	0.002	
makeUniqueStrings	10	0.013	0.005	
tabularDimension>tabularDimension.createLike	10	0.013	0.002	
pctTryCreatePoolIfNecessary	45	0.012	0.003	
remoteparfor\$TimeInitSeconds	490	0.012	0.012	

remoteParfor>timeOnItSeconds	400	0.012	0.012	
...tClusterPool.AbstractClusterPool>AbstractClusterPool.hGetIsUsable	135	0.011	0.005	
tabularDimension>tabularDimension.setLabels	10	0.011	0.002	
varNamesDim>varNamesDim.createLike	5	0.011	0.001	
distcompdeserialize (MEX-file)	1110	0.010	0.010	
com.mathworks.toolbox.distcomp.util.ByteBufferHandle (Java method)	1110	0.010	0.010	
PoolArrayManager>PoolArrayManager.getOrCreateAutoCreateWithCleanup	45	0.009	0.001	
parseArgs	20	0.009	0.009	
remoteParfor>remoteParfor.allIntervalsAdded	45	0.009	0.005	
tabular.subsref	15	0.009	0.002	
Engine>Engine.divideRangeIntoIntervals	45	0.008	0.002	
PoolArrayManager>iManipulatePoolArray	45	0.008	0.002	
...usterPool.AbstractClusterPool>AbstractClusterPool.get.NumWorkers	45	0.008	0.002	
varNamesDim>varNamesDim.validateAndAssignLabels	5	0.008	0.003	
JavaBackedSession>JavaBackedSession.createParforController	45	0.008	0.002	
errorIfXML	5	0.007	0.002	
writeTextFile>varPackParams	5	0.007	0.004	
metaDim>metaDim.checkAgainstVarLabels	5	0.007	0.001	
SerializationNotifier>SerializationNotifier.createAccumulatingListener	45	0.007	0.003	
tabular.subsrefDot	15	0.007	0.004	
com.mathworks.toolbox.distcomp.pmode.Session (Java method)	225	0.006	0.006	
colon_range_check	45	0.006	0.004	
JavaBackedSession>JavaBackedSession.isSessionRunning	135	0.006	0.006	
fullfile	5	0.006	0.003	
...ClusterPool.AbstractClusterPool>AbstractClusterPool.get.Connected	90	0.006	0.001	
writeTextFile>variableTraits	5	0.006	0.005	
writeTextFile>numRowsPerChunk	5	0.006	0.002	
Engine>divide_biharmonic	45	0.005	0.005	
makeUniqueStrings>makeUnique	10	0.005	0.005	
RandStream.RandStream>RandStream.RandStream	5	0.005	0.003	
dctSchedulerMessage	136	0.005	0.002	
rng>getCurrentType	5	0.004	0.001	
remoteParfor>remoteParfor.delete	45	0.004	0.001	
SerializationNotifier>SerializationNotifier.createSerializationListener	45	0.004	0.003	
remoteParfor>remoteParfor.drainIntervals	45	0.004	0.003	
fileparts	15	0.003	0.002	
validatestring	5	0.003	0.001	
cell.unique	5	0.003	0.003	
remoteParfor>iErrorCheckPool	45	0.003	0.001	
writeTextFile>rowFormat	5	0.003	0.003	
writeTextFile>processChunk	10	0.003	0.002	
writeTextFile>closeAndORDelete	5	0.003	0.003	
tabular.getProperty	5	0.003	0.002	
remoteParfor>iDisplayStringArray	90	0.003	0.003	
RandStream.RandStream>localGetSetGlobalStream	10	0.003	0.002	
varNamesDim>varNamesDim.makeValidName	5	0.003	0.001	

parallel\private\dctSchedulerMessageHandler	136	0.003	0.003	
...thworks.toolbox.distcomp.pmode.DrainableOutputImpl (Java method)	90	0.002	0.002	
getJavaFutureInterruptibly>@()future.cancel(true)	45	0.002	0.002	
tabular.size	15	0.002	0.002	
inference_routine>(parfor body)	45	0.002	0.002	
JavaBackedSession>JavaBackedSession.getPoolSize	45	0.002	0.002	
RandStream.RandStream>RandStream.setGlobalStream	5	0.002	0.000	
RandStream.RandStream>RandStream.subsref	5	0.002	0.002	
fileparts>legacyPCExecution	15	0.002	0.002	
remoteparfor>remoteparfor.getDispatchSizes	45	0.002	0.001	
fullfile>refinePath	5	0.002	0.001	
repmat	5	0.002	0.001	
istable	425	0.002	0.002	
parallel_function>results	45	0.002	0.002	
sliced_fcnhdl_check	60	0.001	0.001	
validatestring>checkString	5	0.001	0.001	
DisarmableOncleanup>DisarmableOncleanup.DisarmableOncleanup	90	0.001	0.001	
RandStream.RandStream>RandStream.getGlobalStream	5	0.001	0.000	
RandStream.RandStream>getargs	5	0.001	0.001	
tabular.tabular>tabular.countVarInputs	5	0.001	0.001	
writeTextFile>standardizeDelimiter	5	0.001	0.001	
fullfile>ensureTrailingFilesep	5	0.001	0.000	
writeTextFile>appendNewLineToEndOfFileIfNeeded	5	0.001	0.001	
incrementParallelFunctionDepth	90	0.001	0.001	
colon_range_check>integer_range_overflow_check	45	0.001	0.001	
makeUniqueStrings>validateExclStrOrElemToChk	10	0.001	0.001	
Engine>Engine.Engine	45	0.001	0.001	
tabularDimension>tabularDimension.checkDuplicateLabels	5	0.001	0.001	
varNamesDim>varNamesDim.checkReservedNames	5	0.001	0.001	
parallel_function>PCTInstalled	45	0.001	0.000	
serializationProfiling	45	0.001	0.001	
makeUniqueStrings>truncateString	10	0.001	0.001	
isCharString	25	0.001	0.001	
istimetable	420	0.001	0.001	
isText	10	0.001	0.001	
isScalarInt	25	0.001	0.001	
writeTextFile>packVariables	10	0.001	0.001	
SerializationNotifier>SerializationNotifier.getInstance	45	0.001	0.001	
validateVariableNameLength	10	0.001	0.001	
partialMatchString	5	0.001	0.001	
rowNamesDim>rowNamesDim.validateAndAssignLabels	5	0.001	0.001	
...allel_function>@()matlab.internal.incrementParallelFunctionDepth(-1)	45	0.001	0.000	
remoteparfor>remoteparfor.rangeDivided	45	0.001	0.001	
fullfile>addTrailingFileSep	5	0.001	0.001	
isScalarText	15	0.001	0.001	
...	5	0.001	0.001	

tabular.tabular>tabular.tabular	5	0.001	0.001	
reduction_variables_set_check	15	0.001	0.001	
fullfile>fixIRI	5	0.001	0.001	
writeTextFile>makeChunk	10	0.001	0.001	
tabular.matchPropertyName	5	0.001	0.001	
endpoint_check	90	0.001	0.001	
validateWriteFunctionArgumentOrder	5	0.001	0.000	
getField	5	0.001	0.001	
isEmptyFile	5	0.001	0.001	
validatestring>checkInputs	5	0.001	0.001	
remoteparfor>remoteparfor.maxBacklog	45	0.001	0.001	
Engine>Engine.numIntervalsFactor	45	0.001	0.001	
...ctClusterPool.AbstractClusterPool>AbstractClusterPool.hGetSession	90	0.001	0.001	
range_step_check	45	0.001	0.001	
remoteparfor>remoteparfor.initialDispatchFactor	45	0.001	0.001	
isenum	5	0.001	0.001	
RandStream.RandStream>RandStream.algName	5	0.001	0.001	
tabularDimension>tabularDimension.assignLabels	5	0.001	0.001	
tabular.isEmpty	5	0.001	0.001	
isPCTInstalled	45	0.001	0.001	
DisarmableOncleanup>DisarmableOncleanup.disarm	90	0.000	0.000	
PoolOptions>isValidMaxNumWorkers	45	0.000	0.000	
DisarmableOncleanup>DisarmableOncleanup.delete	90	0.000	0.000	
Options>Options.Options	45	0.000	0.000	
...tionNotifier>SerializationNotifier.createAccumulatingListener/nGetList	45	0.000	0.000	
isSupportedWriteMatrixType	5	0.000	0.000	
tabular.numArgumentsFromSubscript	10	0.000	0.000	
remoteparfor>remoteparfor.getNumWorkers	45	0.000	0.000	
makeUniqueStrings>validateMaxStringLength	10	0.000	0.000	
Engine>iClamp	105	0.000	0.000	
RandStream.RandStream>RandStream.delete	5	0.000	0.000	
validateLogical	10	0.000	0.000	
remoteparfor>iClamp	45	0.000	0.000	
tabularDimension>tabularDimension.checkReservedNamesImpl	5	0.000	0.000	
matricize	5	0.000	0.000	
repmat>checkSizesType	10	0.000	0.000	
pwd	5	0.000	0.000	
writeTextFile>standardizeNumericVar	10	0.000	0.000	
saveLoadCompatibility>saveLoadCompatibility.saveLoadCompatibility	5	0.000	0.000	
iscategorical	5	0.000	0.000	
iscalendarduration	5	0.000	0.000	
isdatetime	5	0.000	0.000	
isduration	5	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.