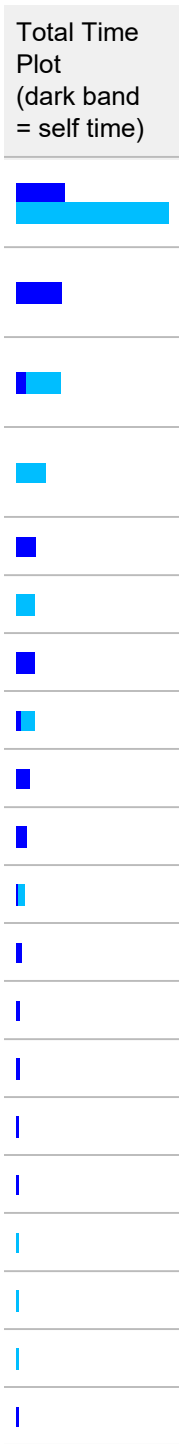


Profile Summary

Generated 10-Sep-2018 02:02:42 using performance time.

Function Name	Calls	Total Time	Self Time*
MainOptimizing4	1	909.780 s	214.738 s
DelayInterfG	6350	208.567 s	208.090 s
OpticalFFTGT	2540	198.696 s	42.973 s
findpeaks	2816	135.937 s	2.211 s
MZM	1280	93.174 s	93.174 s
findpeaks>getAllPeaks	2816	81.647 s	4.154 s
findpeaks>findLocalMaxima	2816	77.492 s	77.492 s
OpticalFFTGT	3810	77.350 s	23.959 s
MeasPower	3840	64.542 s	62.067 s
Olho_mex (MEX-file)	1280	49.367 s	49.367 s
ProagationDelayT	1	33.707 s	6.966 s
findpeaks>orderPeaks	2816	22.863 s	22.863 s
mean	3056662	19.773 s	19.773 s
FiltroGaussiano	2692	16.763 s	16.763 s
SelectEachCarrier	1	16.050 s	13.045 s
findpeaks>removePeaksBelowThreshold	2816	12.108 s	12.108 s
findpeaks>combinePeaks	2816	6.802 s	0.252 s
union	2816	6.550 s	0.112 s
union>unionR2012a	2816	6.438 s	1.101 s
fftshift	4121	6.071 s	6.071 s



Fibra_Monomodo1	148	5.830 s	5.746 s
hist	3840	5.509 s	5.462 s
unique	2816	5.337 s	0.186 s
unique>uniqueR2012a	2816	5.151 s	5.151 s
findpeaks>removePeaksBelowMinPeakHeight	2816	4.965 s	4.965 s
findpeaks>parse_inputs	2816	4.214 s	3.627 s
linspace	5121	2.513 s	2.513 s
close	1281	1.041 s	0.077 s
ptxExpr	12	1.010 s	0.267 s
...aksSeparatedByMoreThanMinPeakDistance	2816	0.934 s	0.934 s
rectpulse	1283	0.875 s	0.875 s
close>safegetchildren	1281	0.689 s	0.130 s
allchild	1281	0.559 s	0.330 s
validatestring	8448	0.456 s	0.174 s
ptxExpr>exprcompile	12	0.313 s	0.116 s
close>getEmptyHandleList	1281	0.266 s	0.266 s
validatestring>checkString	8448	0.169 s	0.169 s
+gpu\private\compileAssignExpr	12	0.168 s	0.007 s
findpeaks>keepAtMostNpPeaks	2816	0.166 s	0.166 s
+gpu\private\compileAssignExpr>ops	33	0.157 s	0.006 s
+gpu\private\compileAssignExpr>call	12	0.142 s	0.011 s
ptxEmitter>ptxEmitter.ptxEmitter	12	0.141 s	0.017 s
validatestring>checkInputs	8448	0.114 s	0.114 s
flipud	2560	0.113 s	0.113 s
ptxEmitter>ptxEmitter.getCodetable	12	0.100 s	0.003 s
onCleanup>onCleanup.delete	1281	0.097 s	0.031 s
...ptxEmitter.makeTargetDeviceProperties	1	0.095 s	0.002 s

ptxEmitter>ptxEmitter.loadCodetable	1	0.093 s	0.088 s
target	16896	0.091 s	0.091 s
+gpu\private\compileAssignExpr>infixImpl	6	0.080 s	0.007 s
...set(rootobj.'ShowHiddenHandles'.Temp)	1281	0.066 s	0.066 s
allchild>getchildren	1281	0.060 s	0.060 s
onCleanup>onCleanup.onCleanup	1281	0.058 s	0.058 s
...er>ptxEmitter.moduleHeaderLazyEval	12	0.051 s	0.003 s
axescheck	3840	0.046 s	0.046 s
ptxEmitter>ptxEmitter.functionHeader	12	0.046 s	0.004 s
...r>ptxEmitter.arithmeticInstruction	9	0.043 s	0.006 s
ptxEmitter>ptxEmitter.loadSymbols	12	0.039 s	0.002 s
...:ptxEmitter.mangleCprotoEntryLazyEval	12	0.037 s	0.027 s
InternalState>InternalState.getHeaders	12	0.037 s	0.010 s
ptxEmitter>ptxEmitter.bincall	5	0.036 s	0.006 s
...>ptxEmitter.loadSymbolsNoExpansion	12	0.036 s	0.004 s
Symbols>Symbols.Symbols	12	0.036 s	0.014 s
ptxEmitter>ptxEmitter.castregisters	9	0.036 s	0.008 s
ptxEmitter>ptxEmitter.generateInlinePtx	6	0.034 s	0.019 s
ptxEmitter>ptxEmitter.loadSymbol	21	0.033 s	0.017 s
...signExpr>arithmeticTypeCombination	6	0.030 s	0.005 s
ptxEmitter>ptxEmitter.castreg	18	0.028 s	0.004 s
findpeaks>assignOutputs	2816	0.028 s	0.028 s
Set_MZ_Input_Data_Simp	5	0.026 s	0.021 s
ptxEmitter>ptxEmitter.calculateOffset	12	0.023 s	0.010 s
...te\compileAssignExpr>plusMinusImpl	3	0.023 s	0.006 s
GPUDevice.GPUDevice>GPUDevice.current	12	0.023 s	0.022 s
Symbols>Symbols.makeTypedSymbol	21	0.023 s	0.009 s

...er>ptxEmitter.storeSymbolsLazyEval	12	0.021 s	0.003 s
ptxEmitter>ptxEmitter.formatInstruction	357	0.021 s	0.020 s
cell.ismember	3	0.020 s	0.004 s
cell.unique	11	0.019 s	0.008 s
ptxEmitter>ptxEmitter.makePrologue	12	0.019 s	0.004 s
...gnExpr>floatingPointFullDomainImpl	3	0.019 s	0.004 s
signal\private\chkinputdatatype	5632	0.019 s	0.019 s
ptxEmitter>ptxEmitter.storeSymbol	12	0.018 s	0.011 s
Symbols>Symbols.updateSymbol	12	0.016 s	0.008 s
Atomic>Atomic.coerceScalar	98	0.014 s	0.014 s
ptxEmitter>ptxEmitter.unacall	3	0.014 s	0.003 s
uitools\private\allchildRootHelper	1281	0.014 s	0.014 s
mtree.mtree>mtree.mtree	12	0.014 s	0.011 s
Symbols>Symbols.scalarizeSymbols	12	0.013 s	0.009 s
isduration	8448	0.013 s	0.013 s
ptxEmitter>ptxEmitter.arraySizeCheck	12	0.013 s	0.007 s
cell.unique>celluniqueR2012a	11	0.012 s	0.012 s
ptxEmitter>ptxEmitter.declareRegisters	12	0.012 s	0.009 s
...gt;ptxEmitter.replaceLoadInstructions	12	0.011 s	0.011 s
ptxEmitter>ptxEmitter.copyreg	27	0.011 s	0.004 s
InternalState>InternalState.tGet	63	0.011 s	0.004 s
ptxEmitter>ptxEmitter.castregToFloat	3	0.010 s	0.006 s
...lState>InternalState.InternalState	12	0.010 s	0.010 s
time2freq_lamb_2	1	0.009 s	0.007 s
Atomic>Atomic.isSameBaseType	27	0.009 s	0.001 s
isdatetime	2816	0.007 s	0.007 s
...te\compileAssignExpr>prebinarycall	9	0.007 s	0.005 s

num2str	13	0.007 s	0.005 s
...leAssignExpr>variableInSymbolTable	21	0.007 s	0.003 s
mtree.Ins	12	0.006 s	0.006 s
Atomic>Atomic.enumerate	21	0.006 s	0.004 s
ismember	3	0.006 s	0.001 s
ptxEmitter>ptxEmitter.endEpilogue	12	0.005 s	0.004 s
toolboxdir	1	0.005 s	0.001 s
mtree.Outs	12	0.005 s	0.005 s
close>checkfigs	1281	0.005 s	0.005 s
mtree.Next	21	0.005 s	0.005 s
ismember>ismemberR2012a	3	0.005 s	0.002 s
InternalState>InternalState.ptrGet	87	0.005 s	0.002 s
fullfile	1	0.005 s	0.002 s
mtree.Arg	12	0.004 s	0.004 s
ptxEmitter>ptxEmitter.regsuffix	47	0.004 s	0.002 s
InternalState>InternalState.manageFunc	8	0.004 s	0.003 s
InternalState>InternalState.getKernels	12	0.004 s	0.001 s
Atomic>Atomic.cType	33	0.004 s	0.004 s
close>request_close	1281	0.004 s	0.004 s
InternalState>InternalState.fdGet	105	0.004 s	0.004 s
Atomic>Atomic.isDouble	203	0.004 s	0.004 s
Symbols>Symbols.getSymbolIns	42	0.003 s	0.003 s
Symbols>Symbols.getSymbol	45	0.003 s	0.003 s
mtree.strings	24	0.003 s	0.003 s
InternalState>InternalState.rGet	120	0.003 s	0.003 s
mtree.kind	57	0.003 s	0.003 s
mtree.mtree>mtree.list	24	0.003 s	0.001 s

InternalState>InternalState.rdGet	87	0.003 s	0.003 s
Fibra_Monomodo_Input_Data	148	0.003 s	0.003 s
mtree.Left	24	0.003 s	0.003 s
Symbols>Symbols.makeemptysymbol	12	0.003 s	0.002 s
ptxEmitter>ptxEmitter.typesize	45	0.003 s	0.002 s
mtree.Body	12	0.003 s	0.003 s
mtree.Right	24	0.003 s	0.003 s
Atomic>Atomic.coerceReal	98	0.003 s	0.003 s
Symbols>Symbols.makeshapeinfo	54	0.003 s	0.003 s
str2double	12	0.003 s	0.003 s
ismember>ismemberBuiltinTypes	3	0.003 s	0.003 s
int2str	13	0.002 s	0.002 s
time2freq	1	0.002 s	0.001 s
mtree.List	24	0.002 s	0.002 s
mtree.wholetree	12	0.002 s	0.002 s
Atomic>Atomic.buildAtomic	21	0.002 s	0.002 s
...ter>ptxEmitter.initializeRandState	12	0.002 s	0.001 s
Symbols>Symbols.makesymbol	33	0.002 s	0.002 s
ptxEmitter>ptxEmitter.getVariableName	17	0.002 s	0.002 s
...r>ptxEmitter.regsuffixForOperation	27	0.002 s	0.001 s
Atomic>Atomic.isArray	42	0.002 s	0.001 s
mtree.string	45	0.002 s	0.002 s
InternalState>InternalState.labelGet	18	0.001 s	0.001 s
fullfile>ensureTrailingFilesep	1	0.001 s	0.000 s
+gp...\compileAssignExpr>preunarycall	3	0.001 s	0.001 s
InternalState>InternalState.rhGet	24	0.001 s	0.001 s
arithmeticOperandInDoubleRule	9	0.001 s	0.001 s

...ter>ptxEmitter.getVersionAndTarget	12	0.001 s	0.001 s
Atomic>Atomic.isSingle	81	0.001 s	0.001 s
ptxEmitter>ptxEmitter.branchToLabel	6	0.001 s	0.001 s
...ate>InternalState.containsRandCall	12	0.001 s	0.001 s
isNodeKindEqualsOrAnon	12	0.001 s	0.001 s
Atomic>Atomic.isLogical	45	0.001 s	0.001 s
InternalState>InternalState.pGet	12	0.001 s	0.001 s
Symbols>Symbols.symbolPresent	21	0.001 s	0.001 s
Atomic>Atomic.isComplexDouble	71	0.001 s	0.001 s
Symbols>Symbols.updateShapeInfo	9	0.001 s	0.001 s
fullfile>addTrailingFileSep	1	0.001 s	0.001 s
nextpow2	3	0.001 s	0.001 s
CallInfo	12	0.001 s	0.001 s
floatingPointFullDomainRule	3	0.001 s	0.001 s
ptxEmitter>ptxEmitter.formatComment	36	0.001 s	0.001 s
...er>ptxEmitter.getCurrentDebugState	12	0.001 s	0.001 s
...t:InternalState.containsNonStaticLoop	12	0.001 s	0.001 s
...ter>ptxEmitter.emitPtxWithComments	181	0.001 s	0.001 s
fullfile>refinePath	1	0.001 s	0.001 s
ptxEmitter>ptxEmitter.beginEpilogue	12	0.001 s	0.001 s
Emitter>Emitter.makeHexNumber	3	0.001 s	0.001 s
ptxEmitter>ptxEmitter.formatLabel	18	0.001 s	0.001 s
...tate>InternalState.emitAsInlinePTX	16	0.001 s	0.001 s
...e>InternalState.setCompilationNode	12	0.001 s	0.001 s
...gt;ptxEmitter.initialCheckOfErrorFlag	12	0.001 s	0.001 s
...lState>InternalState.getMachinePtr	57	0.001 s	0.001 s
Atomic>Atomic.isComplex	129	0.001 s	0.001 s

...nternalState.setNodeForErrorMechanism	12	0.001 s	0.001 s
...ate>InternalState.useDeviceLibrary	15	0.001 s	0.001 s
Atomic>Atomic.isNumeric	42	0.001 s	0.001 s
...:InternalState.getCellArrayOfWarnings	12	0.001 s	0.001 s
isAnyDeviceSelected	12	0.001 s	0.001 s
...rnalState.useDeviceLibraryForFunction	8	0.001 s	0.001 s
Atomic>Atomic.validateIsScalar	45	0.001 s	0.001 s
Atomic>Atomic.mType	12	0.001 s	0.000 s
...e>InternalState.getCompilationNode	12	0.001 s	0.001 s
Emitter>Emitter.Emitter	12	0.000 s	0.000 s
InternalState>InternalState.getRuleset	12	0.000 s	0.000 s
...gt;InternalState.initializeBlockError	24	0.000 s	0.000 s
Atomic>Atomic.isComplexFloatingPoint	15	0.000 s	0.000 s
mtree.isnull	36	0.000 s	0.000 s
Atomic>Atomic.isRealFloatingPoint	3	0.000 s	0.000 s
currentDeviceIndex	12	0.000 s	0.000 s
InternalState>InternalState.getRegF	12	0.000 s	0.000 s
InternalState>InternalState.getRegRB	12	0.000 s	0.000 s
InternalState>InternalState.getRegP	12	0.000 s	0.000 s
InternalState>InternalState.getRegRH	12	0.000 s	0.000 s
mtree.count	57	0.000 s	0.000 s
InternalState>InternalState.getRegRD	12	0.000 s	0.000 s
InternalState>InternalState.getRegFD	12	0.000 s	0.000 s
InternalState>InternalState.getRegR	12	0.000 s	0.000 s
Atomic>Atomic.makeKey	8	0.000 s	0.000 s
Atomic>Atomic.isComplexSingle	5	0.000 s	0.000 s
Atomic>Atomic.isScalar	27	0.000 s	0.000 s

pwd	4	0.000 s	0.000 s
Atomic>Atomic.isFloatingPoint	3	0.000 s	0.000 s
Atomic>Atomic.isInteger	3	0.000 s	0.000 s
deal	3	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.

ions. Self