Profile Summary (Total time: 904.350 s)

Generated 25-Feb-2021 11:24:50 using performance time.

Function Name	Calls	Total Time (s)	Self Time* (s)	Total Time Plot (dark band = self time)
Correct_steane_error	1	904.285	0.069	
measure_syndrome	8	903.735	0.171	
FT_CSSgen_measurement	312	903.377	0.038	
measure_css_gen	832	903.339	0.290	
TwoBitGate>TwoBitGate.apply	1664	821.960	0.678	
TwoBitGate>TwoBitGate.apply_single	5824	820.807	366.207	
idle_bits	8327	417.804	7.617	
DampingChannel>DampingChannel.apply	8327	409.569	1.246	
DampingChannel>DampingChannel.apply_single	80746	408.323	282.082	
ancilla_extract_prep	832	404.289	0.152	
cell2mat	86570	145.973	145.973	
DampingChannel>DampingChannel.nbit_op_element	161492	70.065	11.419	
SingleBitGate>SingleBitGate.apply	839	54.289	0.342	
SingleBitGate>SingleBitGate.apply_single	839	53.731	4.454	
tensor_product	161492	28.906	12.240	
ismember	1729484	24.809	8.931	
kron	1949104	22.338	22.338	
measurement_e	832	19.432	0.301	
ismember>ismemberR2012a	1729484	15.878	10.436	
PhaseDamping>PhaseDamping.get.operation_elements	322984	11.101	9.420	
TwoBitGate>TwoBitGate.get_err	93184	10.430	5.077	
ismember>ismemberBuiltinTypes	1729484	5.442	5.442	
CNOTGate>CNOTGate.get_op_el	5824	2.229	0.379	
MemoizedFunction>MemoizedFunction.parenReference	6656	1.999	1.940	
DampingChannel>DampingChannel.get.DampingCoeff	322984	1.681	1.681	
NbitState>NbitState.NbitState	9384	1.351	1.098	
projective_measurement	832	1.014	0.922	
PhaseDamping>PhaseDamping.PhaseDamping	8327	0.618	0.095	
NbitState>NbitState.copy_params	10000	0.593	0.593	
DampingChannel>DampingChannel.DampingChannel	8327	0.523	0.119	
NbitState>NbitState.trace_out_bits	832	0.490	0.136	
DampingChannel>DampingChannel.set.DampingCoeff	8327	0.404	0.404	
NbitState>NbitState.set.rho	11272	0.352	0.352	
memoize	832	0.309	0.068	
SingleBitGate>SingleBitGate.get_err	2517	0.291	0.202	
TraceOutLeft	832	0.266	0.254	
NbitState>NbitState.extend_state	832	0.193	0.074	
SingleBitGate>SingleBitGate.get_op_el	839	0.168	0.066	
Memoizer>Memoizer.getMemoizedFunction	832	0.167	0.018	
Memoizer>Memoizer.lookupCache	832	0.149	0.149	
NbitState>NbitState.get.nbits	11663	0.146	0.146	
TwoBitGate>TwoBitGate.get.p_success	5824	0.145	0.145	
NbitState>NbitState.plus	216	0.112	0.107	
CSSCode>CSSCode.get_gen_indices	832	0.094	0.062	

CSSCode>CSSCode.get_stabweight	1664	0.078	0.078	
Memoizer>Memoizer.getInstance	832	0.074	0.074	
Channel>@(source,data)obj.onCustomEvent(data.Type,data.Data)	1	0.066	0.008	
MemoizedFunction>MemoizedFunction.trace	6656	0.059	0.059	
Channel>Channel.onCustomEvent	1	0.058	0.008	
trace	848	0.052	0.052	
..ebwindow>@(source,data)obj.onCustomEvent(data.Type,data.Data)	1	0.044	0.010	
NbitState>NbitState.times	216	0.036	0.014	
webwindow>webwindow.onCustomEvent	1	0.034	0.031	
SingleBitGate>SingleBitGate.get.p_success	839	0.018	0.018	
spalloc	840	0.016	0.016	
DampCoeff	1664	0.014	0.014	
get_syndrome	8	0.011	0.011	
NbitState>NbitState.normalise	8	0.010	0.009	
CustomEventInfo>CustomEventInfo.CustomEventInfo	1	0.006	0.006	
NbitState>NbitState.size	1	0.004	0.004	
webwindow>@(varargin)obj.restoreCallbackState(varargin{:})	1	0.003	0.002	
SteaneCode>SteaneCode.SteaneCode	1	0.002	0.001	
webwindow>webwindow.restoreCallbackState	1	0.001	0.001	
CSSCode>CSSCode.CSSCode	1	0.001	0.001	
…athworks.toolbox.matlab.webwindow.FocusManager (Java method)	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.