

Very Sleepy

CPU profiler for Windows OS

- Lightweight with basic features
- Useful for line by line analysis
- Export as CSV or Callgrind file to share data

Very Sleepy

File Tools Help

Select a process to profile:

Process	Type	C...	Total CPU	PID
ServiceHub.SettingsHost.exe	32-bit	0%	6.6 s	13672
ServiceHub.Host.CLR.x86.exe	32-bit	0%	3.9 s	21820
LISE++.exe	64-bit	0%	3.4 s	120

Refresh Download Profile for set time

Very Sleepy - C:\Users\sasha\AppData\Local\Temp\1ACB.tmp

File View Help

Functions

Name	Exclu...	Inclusive	% Exclusive	% Inclusive	Module	Source File
NtUserMsgWaitForMultipleObjectsEx	250.44s	250.44s	88.64%	88.64%	win32u	[unknown]
NtUserPeekMessage	5.78s	5.87s	2.05%	2.08%	win32u	[unknown]
NtUserMessageCall	2.20s	2.37s	0.78%	0.84%	win32u	[unknown]
ZN9QUndoView11qt_metacallEN11QMetaObject4CallEiPPv	2.18s	2.73s	0.77%	0.96%	Qt6Widg...	[unknown]
NtUserSetTimer	1.83s	1.83s	0.65%	0.65%	win32u	[unknown]
distribution2::get_i_xmax	1.60s	1.60s	0.57%	0.57%	LISE++	C:/buffer/f
get_direction_array	1.37s	2.09s	0.49%	0.74%	LISE++	C:/buffer/f
distribution2::get_i_xmin	1.26s	1.26s	0.45%	0.45%	LISE++	C:/buffer/f
qFabs<double>	0.76s	0.76s	0.27%	0.27%	LISE++	C:/Qt/6.5.C
malloc	0.73s	0.73s	0.26%	0.26%	msvcrt	[unknown]
NtUserKillTimer	0.63s	0.63s	0.22%	0.22%	win32u	[unknown]

Averages Call Stacks Filters

Called From

Name	Sam...	% Calls	M
distribution2::get_xmin	1.26s	100.00%	LIS

Child Calls

Name	Sam...	% Calls	M
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Source Log

```

27 {
28     clear_flags();
29     x_axis[i]=value;
30 }
31 //%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
32 int distribution2::get_i_xmin(void)
33 0.03s {
34     int k=0;
35
36 0.14s for(int i=1; i<=N; i++)
37 1.03s     if(x_axis[i] < x_axis[k] ) k=i;
38 0.01s     return k;
39 0.05s }
40 //%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
41 int distribution2::get_i_xmax(void)
42 {

```

Source file: C:/buffer/FRIB/build-LISEcute-Desktop_Qt_6_5_0_MinGW_64_bit-Debug/./LISEcute/L_Distrib... Line 34

	A	B	C	D	E	F	G	H
1	Name	Exclusive secs	Inclusive secs	% Exclusive	% Inclusive	Module	Source File	Source Line
2	[0000000000000001]	0	0.0061525	0	0.00217748			0
3	[0000000000000004]	0	0.0159062	0	0.00562949			0
4	[0000000000000044]	0	0.0018196	0	0.00064399			0
5	[00000000000000510]	0	0.0029868	0	0.00105708			0
6	[000000000000005D0]	0	0.0030075	0	0.00106441			0
7	[000000000000003928]	0	0.0018798	0	0.000665295			0
8	[000000000000084C8]	0	0.0020566	0	0.000727868			0
9	[00000000000008C18]	0	0.002053	0	0.000726594			0
10	pthread_tls_init	0.0021034	0.0021034	0.000744432	0.000744432	libwinpthread-1	[unknown]	0
11	pthread_getspecific	0.0039277	0.0080017	0.00139008	0.00283195	libwinpthread-1	[unknown]	0
12	[0000000080004005]	0	0.00388	0	0.0013732	libwinpthread-1		0



Very Sleepy get_direction_array

Exclusive - time spent during the execution of function

Inclusive - time spent during the execution of function and any other functions called from it

% Exclusive, % Inclusive - as above, but as a percentage of the program's total execution time

Averages			
Called From			
Name	Sam...	% Calls	M...
distribution2::get_direction	0.38s	100.00%	LIS

Child Calls			
Name	Sam...	% Calls	M...

Sorted by frequency of occurrence

Name	Exclu...	Inclusive	% Exclusive	% Inc...	Module	Source File
malloc	1.51s	1.51s	17.41%	17.41%	msvcrt	[unknown]
free	1.30s	1.30s	15.05%	15.05%	msvcrt	[unknown]
ZN9QUndoView11qt_metacallEN11QMetaObject4CallEiPPv	0.59s	1.03s	6.86%	11.85%	Qt6Widg...	[unknown]
get_direction_array	0.38s	0.38s	4.40%	4.40%	LISE++	C:/build-LI
ZN14QGraphicsScene16setSelectionAreaERK12QPainterPathR...	0.35s	2.02s	4.04%	23.26%	Qt6Widg...	[unknown]

Averages		
Call stack 1 of 88 Accounted for 0.01s (0.15%)		
Name	Module	Source File
get_direction_array	LISE++	C:/build-LISE
distribution2::get_direction	LISE++	C:/build-LISE
distribution2::inter2_Old	LISE++	C:/build-LISE
distribution2::inter2	LISE++	C:/build-LISE
distribution2::inter2PlusExtra...	LISE++	C:/build-LISE
distribution2::alignB	LISE++	C:/build-LISE
distrFour::MakeUniform	LISE++	C:/build-LISE
distrFour::ChangeBase	LISE++	C:/build-LISE
TR_Optic_Slits	LISE++	C:/build-LISE
c_rendmom	LISE++	C:/build-LISE
transmission	LISE++	C:/build-LISE
trans_ChargeState	LISE++	C:/build-LISE
nucleusReglage	LISE++	C:/build-LISE
MainWindow::CmTransAll	LISE++	C:/build-LISE
MainWindow::on_actionAll_n...	LISE++	C:/build-LISE
MainWindow::qt_static_meta...	LISE++	C:/build-LISE
MainWindow::qt_metacall	LISE++	C:/build-LISE
z_crc32_combine_op	Qt6Core	[unknown]
ZN7QAction8activateENS_11...	Qt6Gui	[unknown]
ZN15QAbstractButton14next...	Qt6Widg...	[unknown]
ZN15QAbstractButton17...	Qt6Widg...	[unknown]


```
Source file: C:/build-LISEcute-Desktop_Qt_6_5_1_MinGW_64_bit-Debug/./LISEcute/L_Distribution/L_Dist... | Line 168
170
171 0.00s p1= &axis[1];
172      p0= &axis[0];
173
174 0.04s for(int i=0; i<points-1; i++)
175     {
176 0.01s     double dif = *p1 - *p0;
177 0.17s     sum_abs += dif>0 ? dif : -dif;
178 0.10s     sum_sim += dif;
179 0.02s     p0 = p1; p1++;
180     }
181
182 0.00s if(sum_abs==0) return 1;
183
184 0.02s double ratio = sum_sim/sum_abs;
185     double vplus = 1. - ratio;
186     double vminus = 1. + ratio;
187
188 0.01s if(vplus < 1e-7) return 1;
189     if(vminus < 1e-7) return -1;
190     return 0;
191 }
```

Inclusive vs Exclusive Function Stats (LISE++ Module)

Name	Exclu...	Inclusive	% Ex...	% Inc...	Module
MainWindow::CmTransAll	0.00s	6.94s	0.00%	80.09%	LISE++
MainWindow::qt_metacall	0.00s	6.92s	0.00%	79.89%	LISE++
MainWindow::qt_static_metacall	0.00s	6.92s	0.00%	79.89%	LISE++
qMain	0.00s	6.92s	0.00%	79.89%	LISE++
MainWindow::on_actionAll_nuclei_triggered	0.00s	6.92s	0.00%	79.89%	LISE++
nucleusReglage	0.00s	3.86s	0.00%	44.55%	LISE++
trans_ChargeState	0.00s	3.45s	0.00%	39.84%	LISE++
c_rendmom	0.00s	3.37s	0.00%	38.91%	LISE++
transmission	0.00s	3.37s	0.00%	38.91%	LISE++

```

Source Log
514         {
515         if(n_min > nn) n_min=nn;
516         count++;
517         aff->equal(zz,nn);
518
519         //-----
520         k++;
521         if(k > 0.3*total) {
522             QDateTime timer2 = QDateTime::currentDateTime();
523             sec0 = abs(timer2.secsTo(timeSr));
524             int sec1 = qMax(qint64(0), (sec0 * (total-k))/k);
525             int hour2 = sec1/3600;
526             int min2 = (sec1 - hour2*3600)/60;

```

Name	Exclu...	Inclusive	% Ex...	% Inc...	Module	Source File	Sou...	Address
get_direction_array	0.38s	0.38s	4.40%	4.40%	LISE++	C:/build-LISEcute-Desktop_Qt_6_5_1_MinGW_64...	167	0x7ff63a600fe2
distribution2::get_i_xmax	0.31s	0.31s	3.62%	3.62%	LISE++	C:/build-LISEcute-Desktop_Qt_6_5_1_MinGW_64...	46	0x7ff63a602bfa
exp2l	0.28s	0.28s	3.28%	3.28%	LISE++	[unknown]	0	0x7ff63aaf68c0
distribution2::get_i_xmin	0.23s	0.23s	2.60%	2.60%	LISE++	C:/build-LISEcute-Desktop_Qt_6_5_1_MinGW_64...	37	0x7ff63a602b88
distribution::find_sigma_distribution	0.13s	0.17s	1.56%	1.97%	LISE++	C:/build-LISEcute-Desktop_Qt_6_5_1_MinGW_64...	393	0x7ff63a5ff53f
log2l	0.13s	0.13s	1.49%	1.49%	LISE++	[unknown]	0	0x7ff63aaf6a80
pow	0.09s	0.57s	1.09%	6.56%	LISE++	[unknown]	0	0x7ff63aaf3450
distribution2::inter2_New	0.08s	0.48s	0.90%	5.58%	LISE++	C:/build-LISEcute-Desktop_Qt_6_5_1_MinGW_64...	132	0x7ff63a604572
distribution2::inter2_Old	0.07s	0.49s	0.85%	5.66%	LISE++	C:/build-LISEcute-Desktop_Qt_6_5_1_MinGW_64...	49	0x7ff63a60400a
internal_modf	0.06s	0.06s	0.70%	0.70%	LISE++	[unknown]	0	0x7ff63aaf33dc
factorial	0.05s	0.05s	0.56%	0.56%	LISE++	C:/build-LISEcute-Desktop_Qt_6_5_1_MinGW_64...	194	0x7ff63aa89362
_logl_internal	0.04s	0.04s	0.49%	0.49%	LISE++	[unknown]	0	0x7ff63aaf6944
distribution::Xl	0.04s	0.04s	0.45%	0.45%	LISE++	C:/build-LISEcute-Desktop_Qt_6_5_1_MinGW_64...	187	0x7ff63ac01f40
qFabs<double>	0.04s	0.04s	0.43%	0.43%	LISE++	C:/build-LISEcute-Desktop_Qt_6_5_1_MinGW_64...	48	0x7ff63aaf6140
exp	0.04s	0.04s	0.42%	0.42%	LISE++	[unknown]	0	0x7ff63aaf2c98
exp1	0.03s	0.03s	0.40%	0.40%	LISE++	[unknown]	0	0x7ff63aaf2d38