

# AQTime Pro

The screenshot displays the Visual Studio Performance Profiler interface. The top pane shows a call tree with 'Program::Main' as the root. The middle pane shows a call graph with a red pie chart for 'wWinMain' and a green pie chart for 'DllMain'. The bottom pane shows a call graph with nodes for 'Button::OnClick', 'ComplexNumber::get\_SqrMod', and 'ComplexNumber::op\_Multiply'.

Routine Name	% Time	Time
Program::Main	57.14 %	8461.90
frmMain::btnDraw_Click	9.02 %	28.87
JuliaPainter::DrawToInternalBitmap	99.62 %	69.38
JuliaPainter::Evaluate	5.06 %	5.20
JuliaPainter::DoEvalComplex	100.00 %	1110.73
ComplexNumber::get_SqrMod	75.73 %	2510.68
ComplexNumber::op_Addition	12.54 %	415.62
ComplexNumber::op_Multiply	11.63 %	385.54
ComplexNumber::ctor	0.10 %	3.29
ColorMap::GetColor	94.75 %	97.35

The Explorer panel shows a tree view of results for '8/1/2017 2:47:53PM' and 'Win32 Thread 5500'. The Summary panel shows total routine calls (17279309), total elapsed time (13.24), and performance hot spots (Win32 Thread 5556). It also lists worst performance for various functions.

Straightforward analysis of different program versions before and after optimization

Routine Name	Info	Time		
		(R2) Win32 Thre...	(R1) All Threads	(R2) Win32 Thre...
DllMain		0.00	0.00 %	0.00 %
InitInstance		0.22	0.89 %	0.89 %
MathLib::Functions::Fibonacci		3.07	10.57 %	10.57 %
MyRegisterClass		0.08	0.28 %	0.28 %
WndProc		0.90	13.67 %	13.67 %
increment		0.00	0.00 %	0.00 %
leakMemory		0.00	0.00 %	0.00 %
wWinMain		17.40	74.60 %	74.60 %

Similar to VTune result comparison

<https://support.smartbear.com/aqtime/docs/profiling-with/prepare-apps/compiler-settings-native/other/qt.html>  
<https://smartbear.com/product/aqtime-pro/features/>