Debugging and Profiling C++ Applications on Windows

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The Qt, OpenGL and C++ Experts

- Debug Symbols, Compiler Optimizations
- Testing
- Code Coverage
- Tracing
- Debugger
- RenderDoc
- Intel Inspector
- Sanitizers
- Assertions
- Static Code Analysis
- Crash Reporting

Profiling C++ Applications

- Introduction
- Profiling Setup for C++ Applications

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- Manual Timing
- proc-profile
- Visual Studio
- VTune
- MTuner
- Resource Monitor
- Event Tracing for Windows
- OpenGL

Appendix

- Tracing
- Instrumentation
- Sampling
- Performance Counters
- Backtraces
- Other Notes
- Further Reading