Debugging and Profiling Qt Applications

Material based on Qt 5.6
Debugging Qt Applications
- Testing
- Code Coverage
- Logging
- Tracing
- Debugger
- GammaRay
- Valgrind
- Sanitizers
- Assertions
- Static Code Analysis

Profiling Qt Applications
- Introduction
- Manual Timing
- Valgrind Profiling Tools
- Heaptrack
- VTune
- Linux Perf
- Windows Profiling Tools
- QNX Profiling Tools
- QML Profiling
- OpenGL

Appendix
- Build Setup
  - Debug Symbols
  - Compiler Optimizations
  - Building for Debugging
  - Building for Profiling
- Tracing
- Instrumentation
- Sampling
- Performance Counters
- Backtraces
- Testing Qt Applications
  - Introduction
  - QTestLib
    - Testing C++ Code
    - Benchmarking C++ Code
    - Testing and Benchmarking QML