Live Music Performance with Android

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The Problem

No music performance apps on Android

End to end latency is typically 100-150ms

Too slow for traditional keyboard interfaces

The Solution

- Provide a full-featured synthesis engine
 - Oscillators, equalization, enveloping, reverb, etc.

- With a scheduling and looping interface for short passges
 - 1-4 measures at a time

Caustic



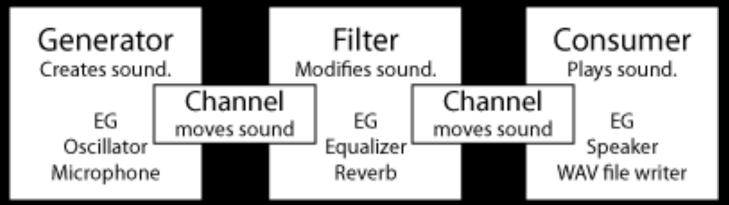
Initial Investigation

Real time audio is demanding

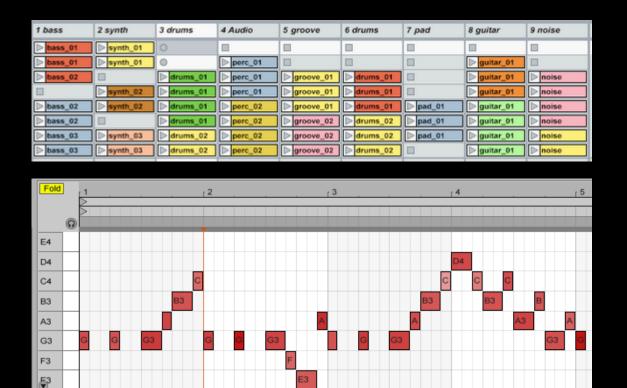
 Perform experiments to determine various latencies for touch and audio outputs

ClickTrack

- A personal project
- C++ toolkit for audio processing
 - Provides generic interfaces for filters and instruments



Sequencing and Looping Interface



Questions?

