

A blue waveform, resembling a sound signal or an audio spectrogram, is plotted across the entire background of the slide. It features several prominent peaks and valleys, creating a dynamic, oscillating pattern.

Realtime DSP Sound Effects

Making the world Rock

Overview

- 5 sound effects
- GUI on VGA screen
- CPU mixing and controlling effects
- Realtime

Effects

- Echo
- Pitch Shift
- Flanger/Chorus
- Bitcrush
- Fold back distortion

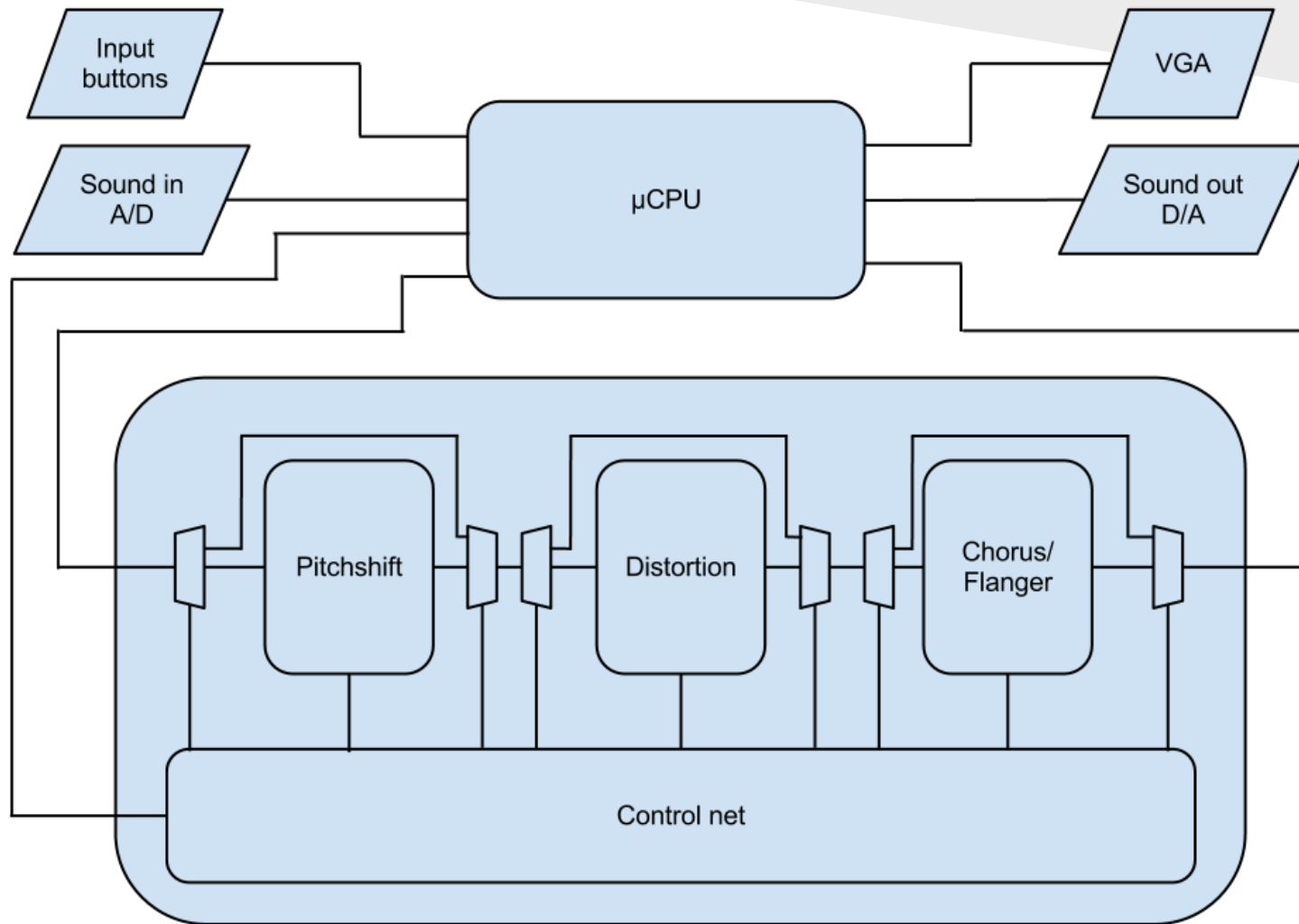
HW

- VGA controller
- Advanced sound effects
- PWM DAC

SW

- control signals to sound effect hardware
- control signals to VGA
- Simple sound effects (echo, bitcrush)
- Mixing of sound effects

Block diagram



Questions?

