Pattern Sequencer

Drum Machine

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Outline

- Software Demo
- Features
- Implementation
- Milestones & Progress

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Software Demo

- Kick drum at 130 BPM
- Add a snare
- Go crazy

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Features

- Percusssion sequence
- 16 audio channels
- Adjustable beats per minute (BPM)
Interface

1 sample1
2 sample2
3 sample3
4 sample4
5 sample5
6 sample6
7 sample7
8 sample8
9 sample9
10 sample10
11 sample11
12 sample12
13 sample13
14 sample14
15 sample15
16 sample16

BPM - 136
Implementation
Milestones and Progress

- Display and parameters
- Audio playback and looping
- Memory bank of audio samples
- Variable counter
1 KICK DRUM 1
2 KICK DRUM 2
3 SNARE 1
4 SNARE 2
5 HIGH HAT
6 OPEN HAT
7 CLOSED HAT
8 BONGOS 1
9 BONGOS 2
10 CLAP
11 TONTOM 1
12 TONTOM 2
13 RIDE
14 CYMBAL 1
15 CYMBAL 2
16 BASS
Thank you!