

Chapter 24. Meeting 24

24.1. Announcements

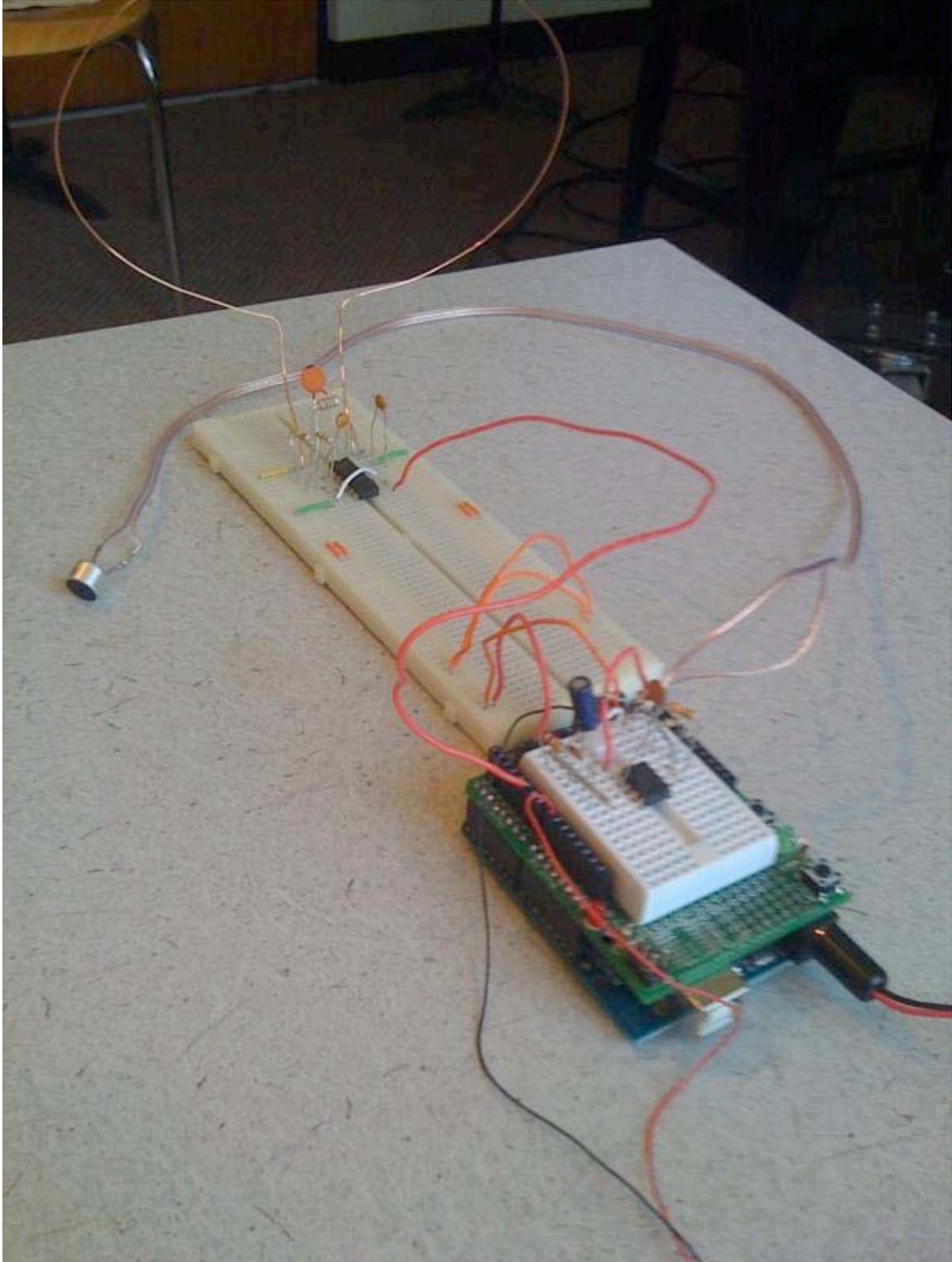
24.2. Sonic System Projects: The Turbo Sonic Whopper

- Created by Jillian Reddy, this instrument combines features of a turntable with a tape head and a magnetic disc



24.3. Sonic System Projects: The Airemino

- Created by an anonymous MIT student, this instrument provides Theremin-style pitch control with breath-control event trigger



24.4. Sonic System Projects: The XY Drum

- Created by an anonymous MIT student, a piezo-based drum trigger using a custom on-board microcontroller for signal analysis and synthesis



24.5. Sonic System Projects: The ChordMaster

- Created by Andrew Sugaya, this iPhone app permits storing up to six chords for playback by strumming gestures



Chapter 25. Meeting 25

25.1. Announcements

25.2. Evaluations

- Please complete an on-line evaluation for this subject

25.3. Quiz Review

- ?

25.4. Music Technology: Divisions

- Four Divisions
 - Sound recording and its influences
 - Instruments and interfaces
 - Languages and representations
 - Algorithmic and generative music systems (Spring 2010)
- Alternative organizations?
- What is left out?

25.5. Music Technology: Trends

- Musical and technological influence of persons from diverse backgrounds
- Faster, cheaper, easier
- Coercion and abstraction, bending and hacking

- Modularity and reuse
- New types of collaboration, interaction, and authorship
- Others?

25.6. The Future: Tools, Control, and Creativity

- Will new tools offer greater musical diversity or greater homogenization?
- Which is more important: hardware capabilities or software designs and interfaces? Will faster machines give us better musical tools? An engineering problem or an aesthetic and cultural problem?
- Dynamic systems over fixed works? Consumers as co-producers?

25.7. Sonic System Projects: Convolver

- Created by an anonymous MIT student, this Java-based implementation of a convolution reverb permits re-iterative processing in the spirit of Alvin Lucier.

25.8. Sonic System Projects: SlowCoder

- Created by Gerg Perkins, this PD-based implementation of a 60-band vocoder uses amplitude envelope feedback to provide creative manipulation of time-domain re-synthesis.

25.9. Sonic System Projects: Melow

- Created by Joseph Diaz, this PD-based implementation of a Melotron re-creation employs noise and random-probabilities to emulate the unpredictable performance of the Melotron.

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