# Sonification Sandbox: A Toolkit for Auditory Graphs



Bruce N. Walker & Mandy E. Lowey, Georgia Institute of Technology

3.5

3.0

2.5 2.0

1.5 2.0 2.6 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.6 7.0 7.5 8.0 8.5 8.0 Time (Seconds)

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## **Purpose**

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A simple cross-platform toolkit that allows users to immediately turn their existing data into complete, exportable auditory and visual graphs.

## **Kev Features in v3**

- Cross-platform Java/JavaSound
- Data import from Excel, CSV
- Spreadsheet for data entry/edit
- Context Cues can be added
- Mappings easily specified
- Interactive listening
- Export Auditory graph
- Visual graph of data
- Multiple axes, lines
- Progress cursor marks

current location in the graph

#### Credits

Bruce Walker Mandy Lowey Josh Cothran Mansoor Bahar Barry Flemming

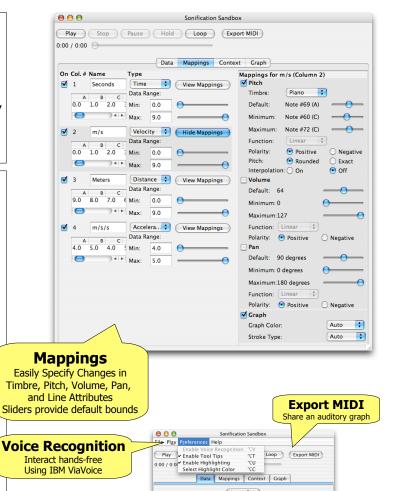
#### **Inspirations**

Listen, MUSE, MUSART (UCSC) Sound Grid (Upson) Sonification Toolkit (Kramer)

## **Download:**

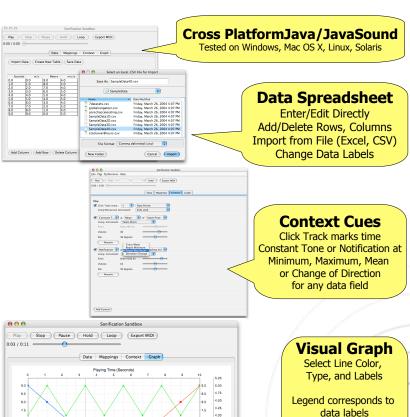
http://sonify.psych.gatech.edu/research/

**Open Source** Extensible



Tool Tips

Makes learning guicker



Multiple axes, lines

Animated "cursor line" indicates which sounds are being played

### **Interactive Play**

Pause, Loop, "Hold" for better listening and data inspection