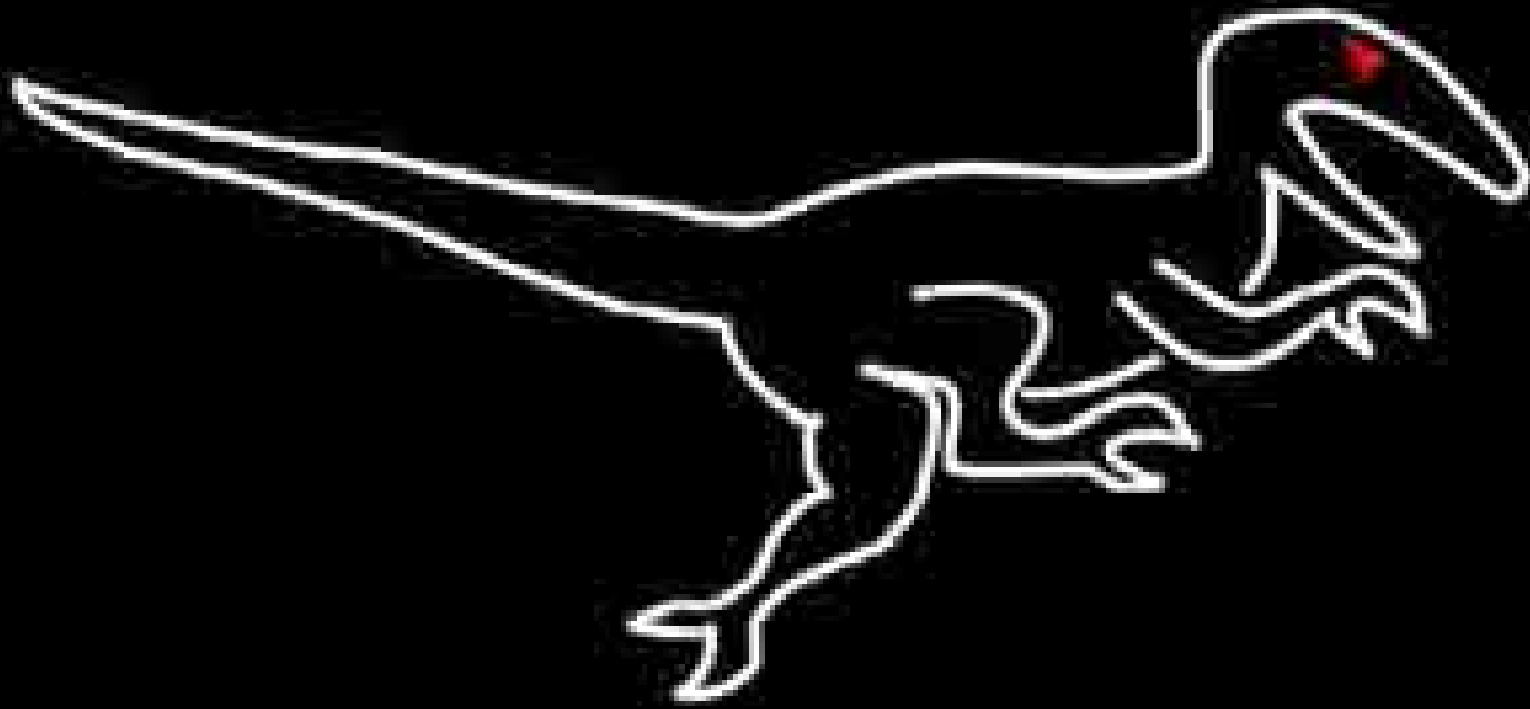


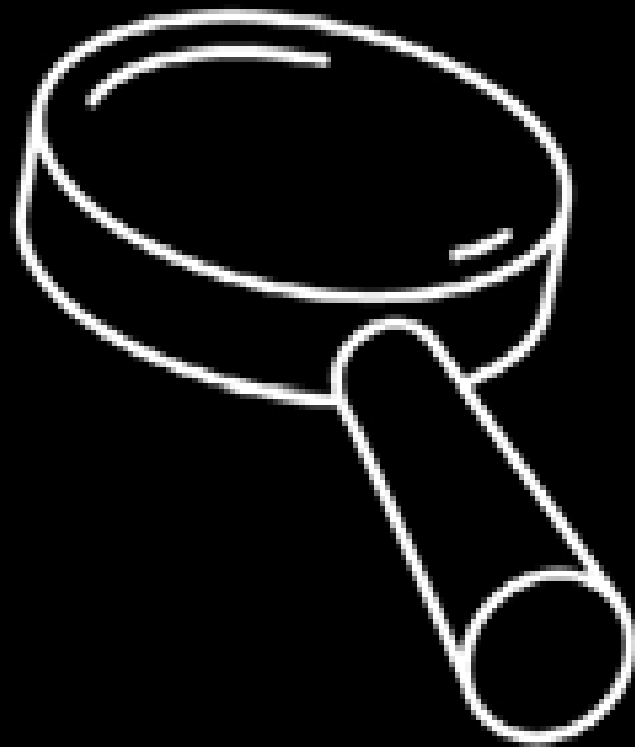
Assorted Ideas in User Interfaces for Audio

**Sebastian Heise
Michael Hlatky
Jörn Loviscach**

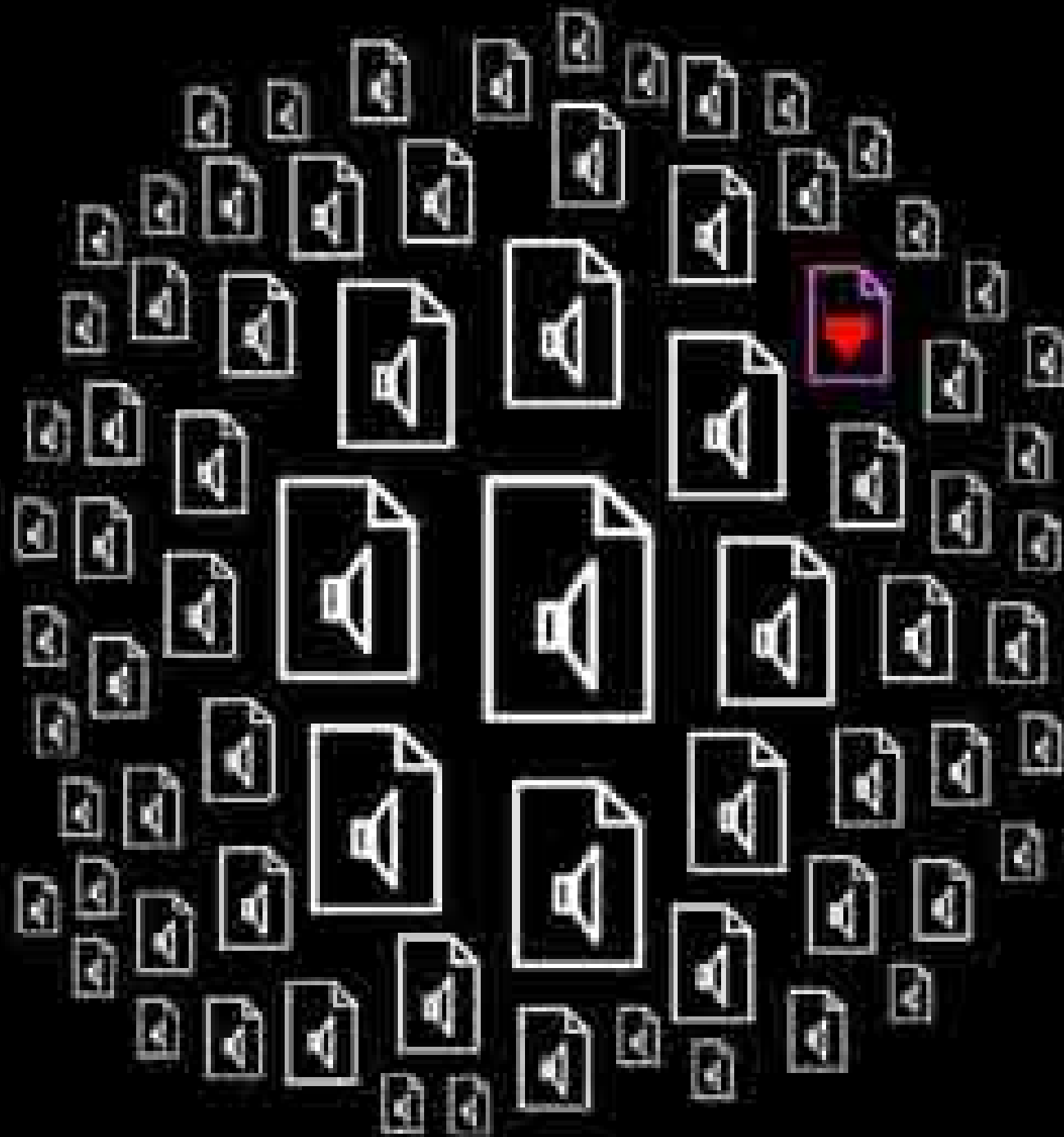
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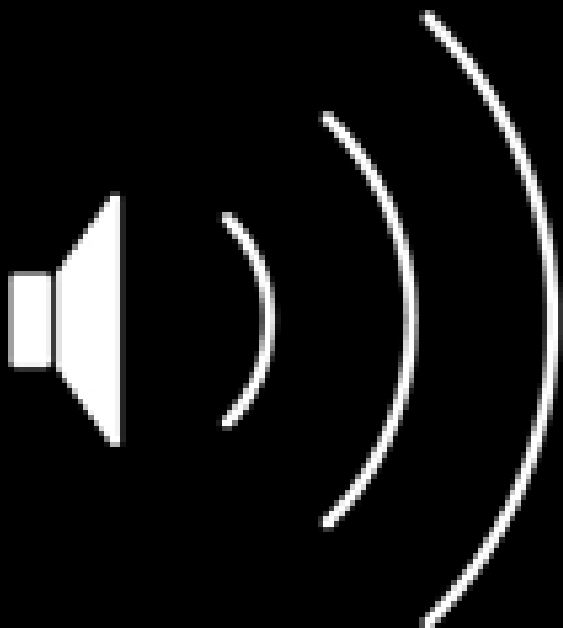
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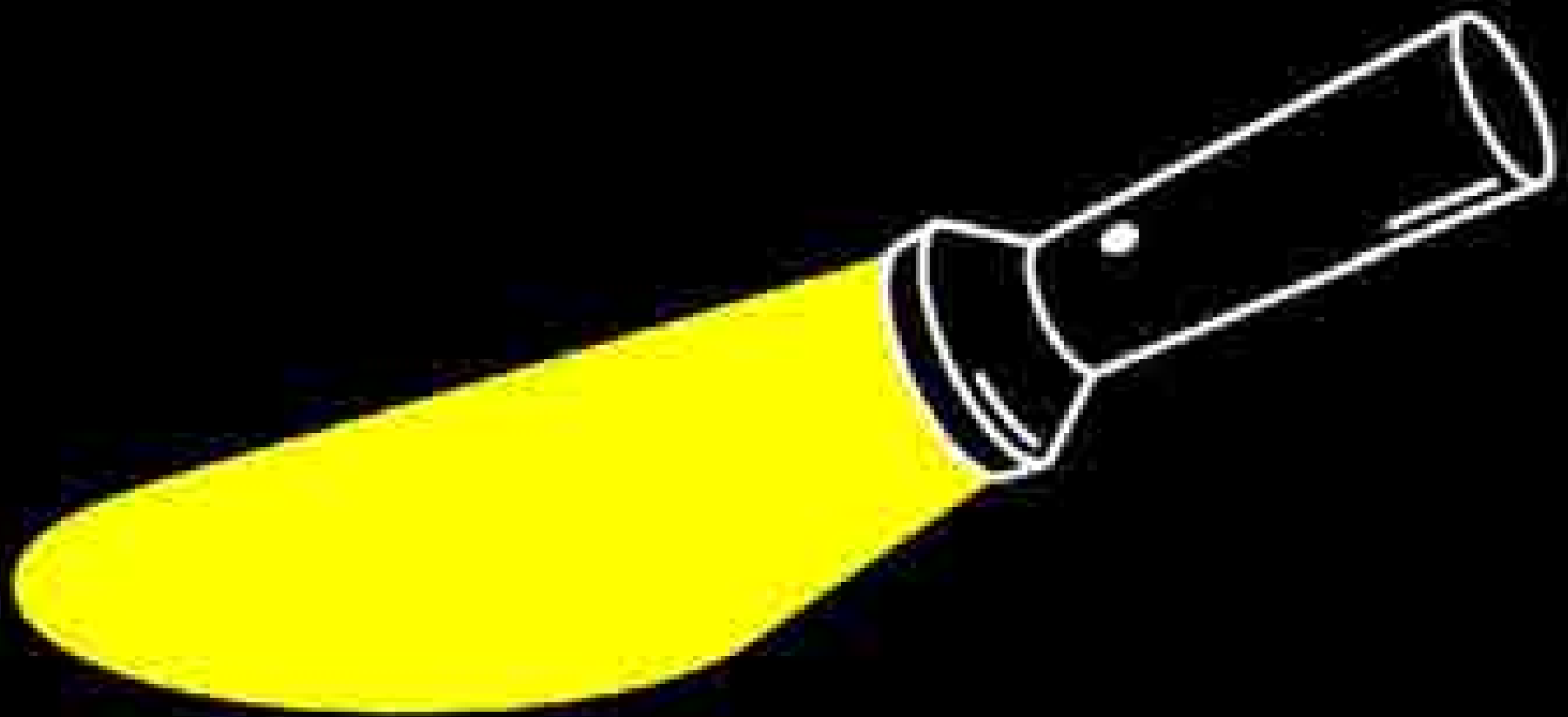


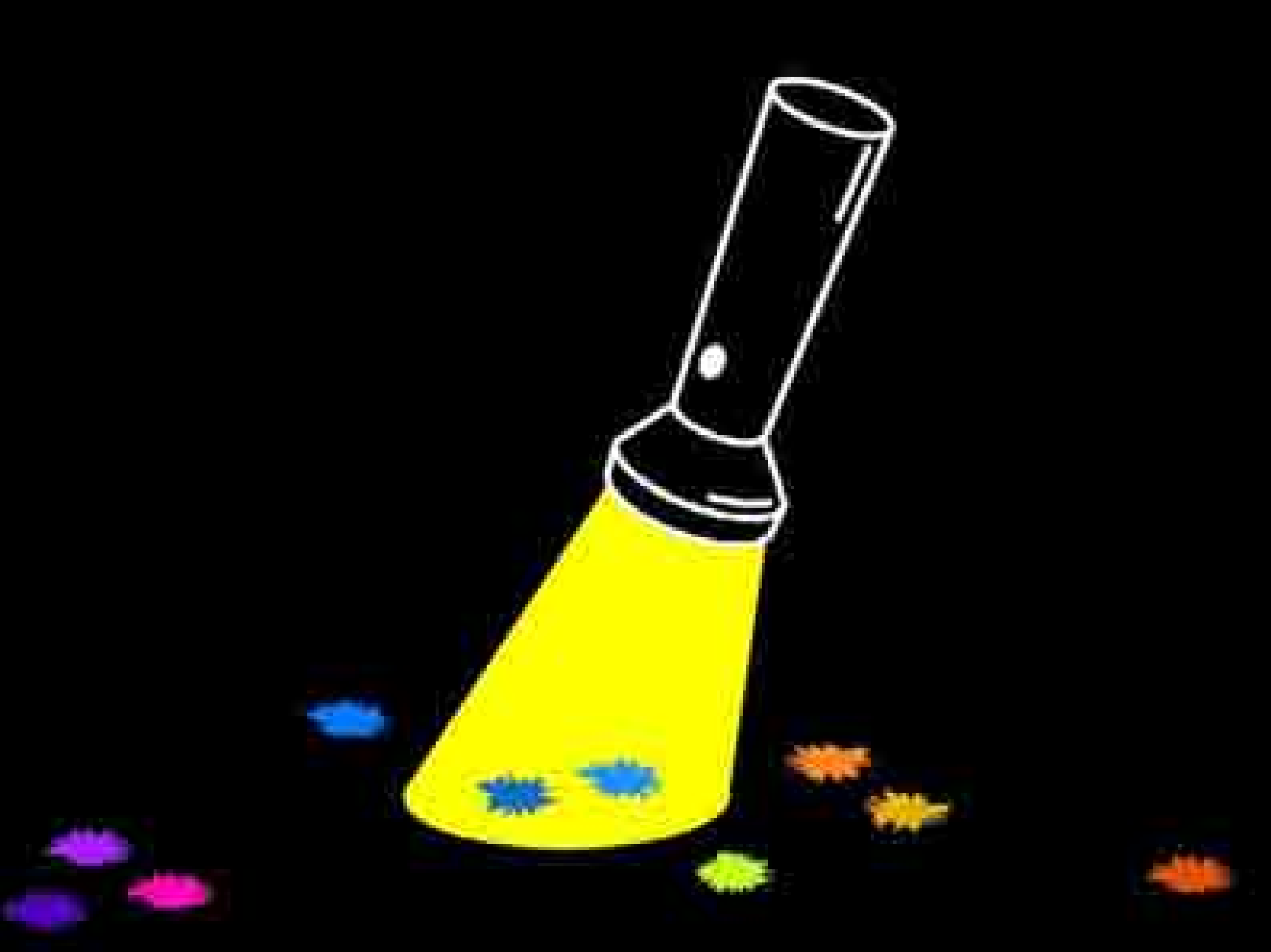


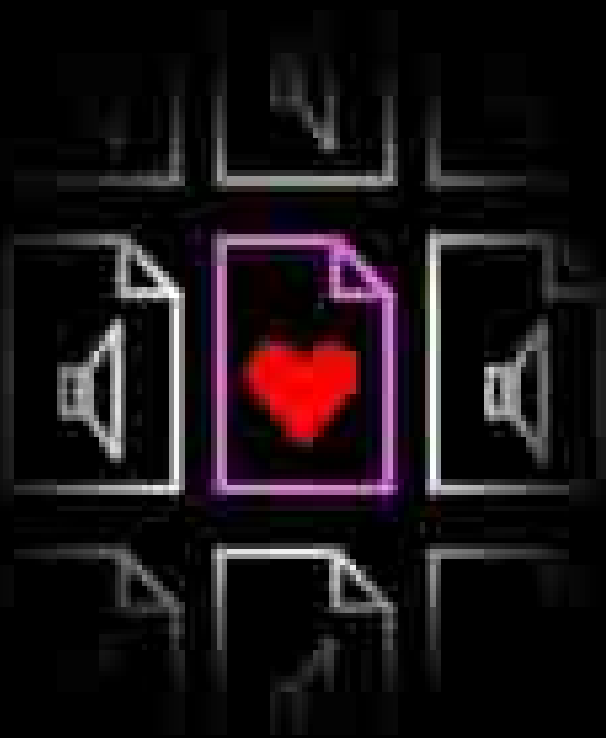




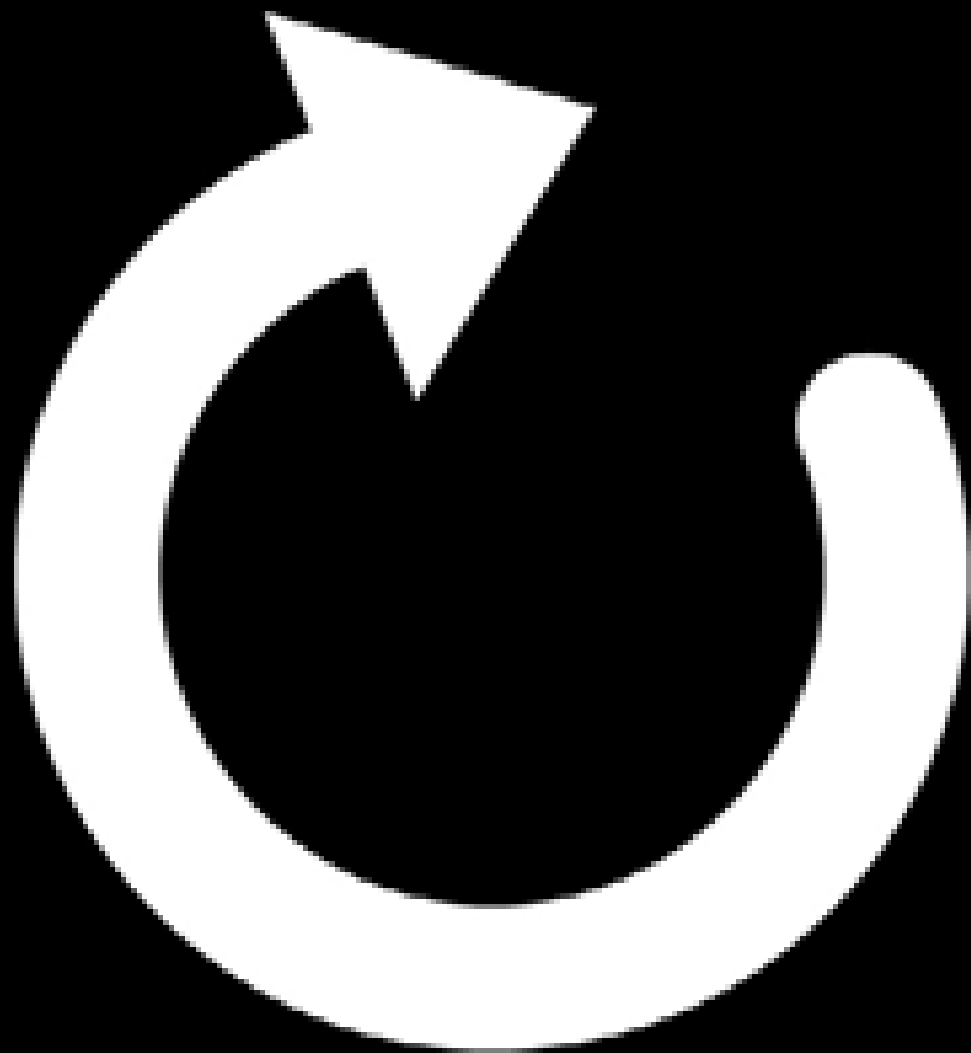












Onomatopoeic Tagging

Virtual Shaker

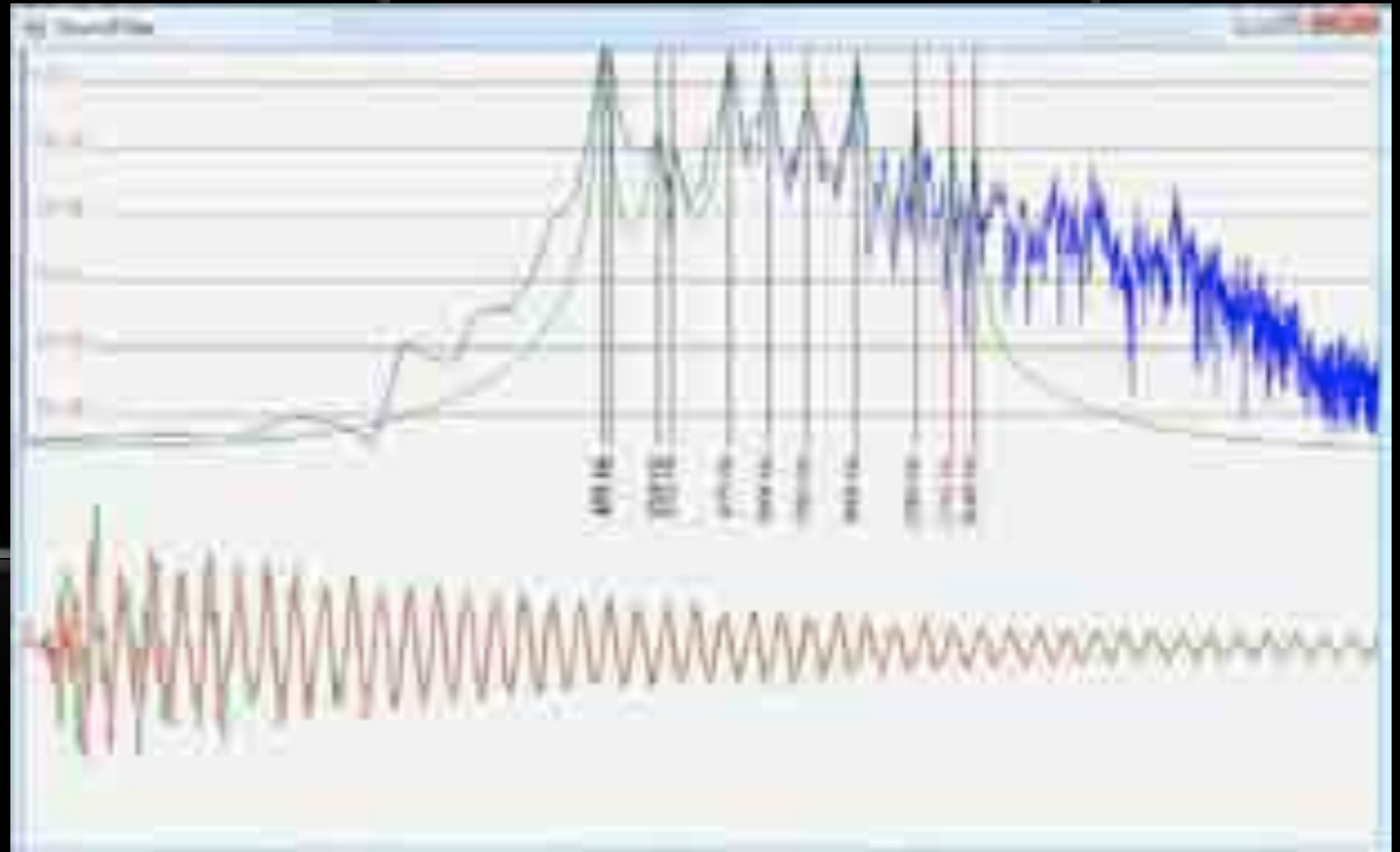
MAINSTREK

Play
Full Screen: F11
Close: Alt+F4

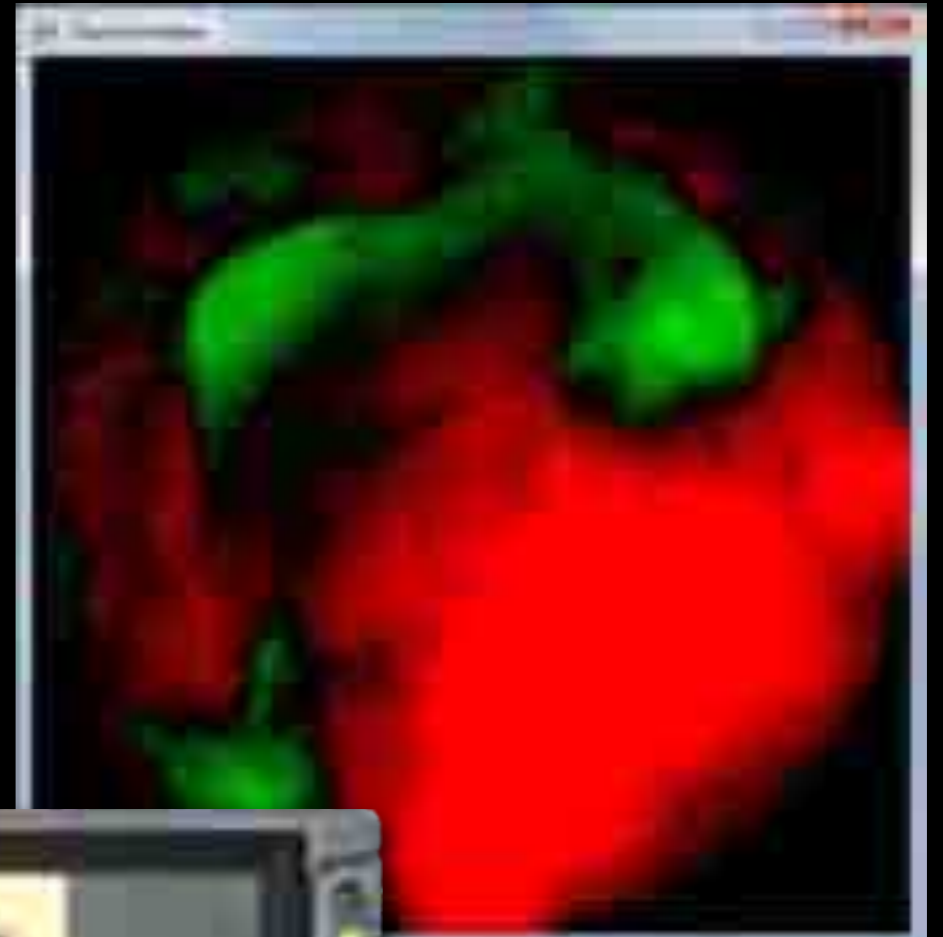


WINDS

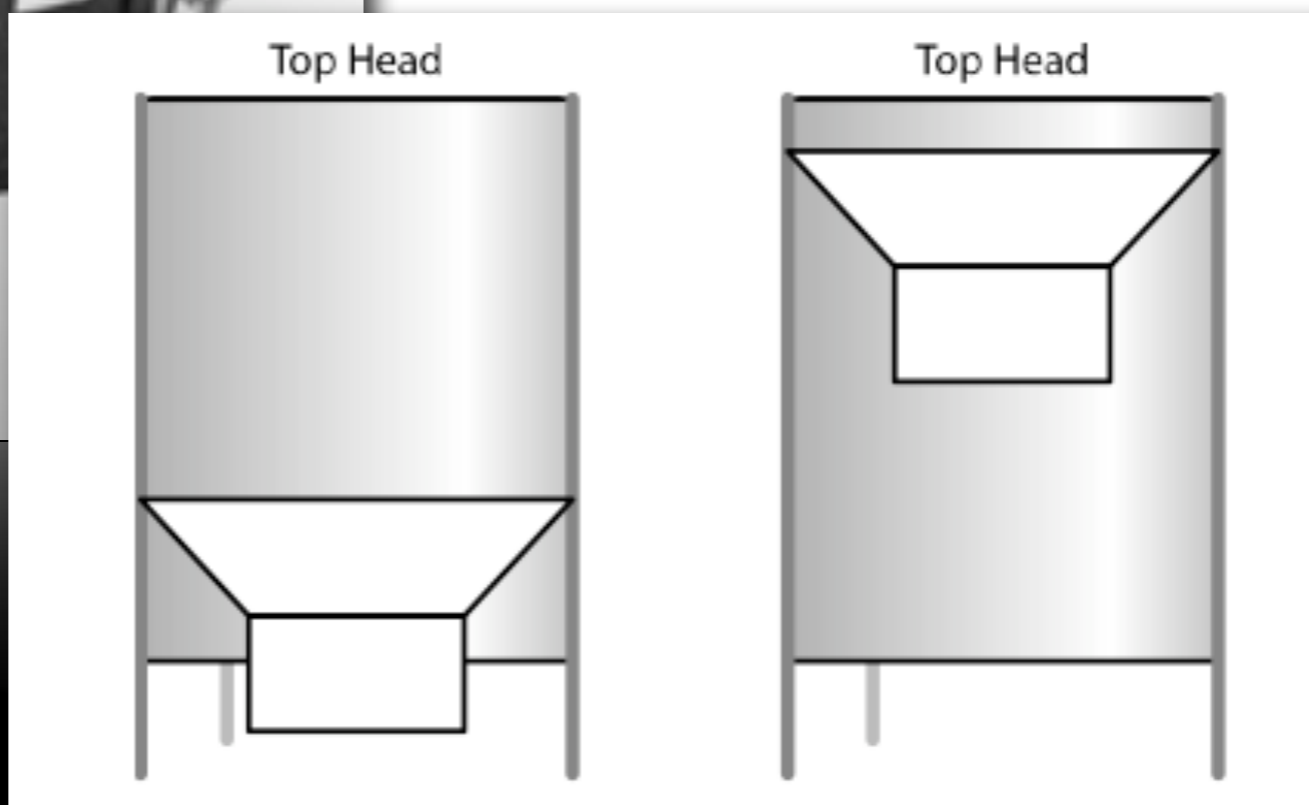
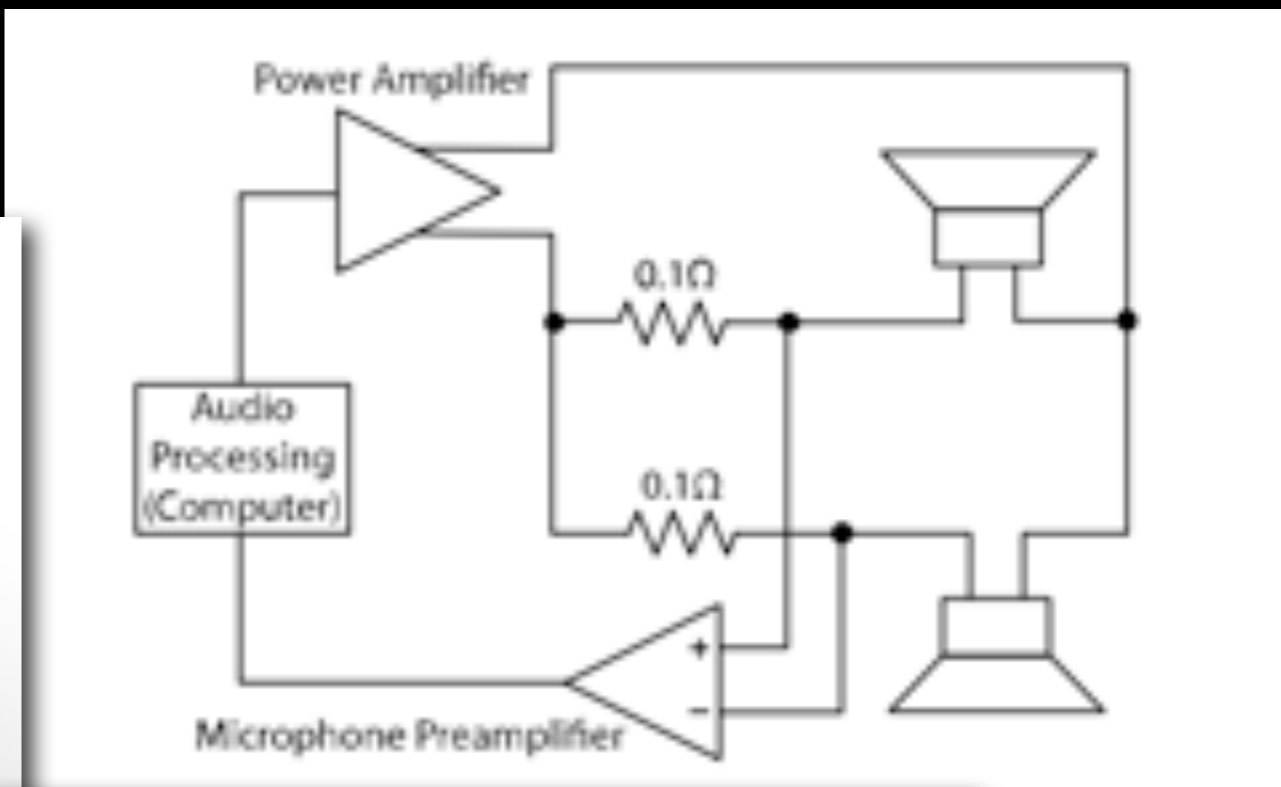
Play
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Malleable Drum

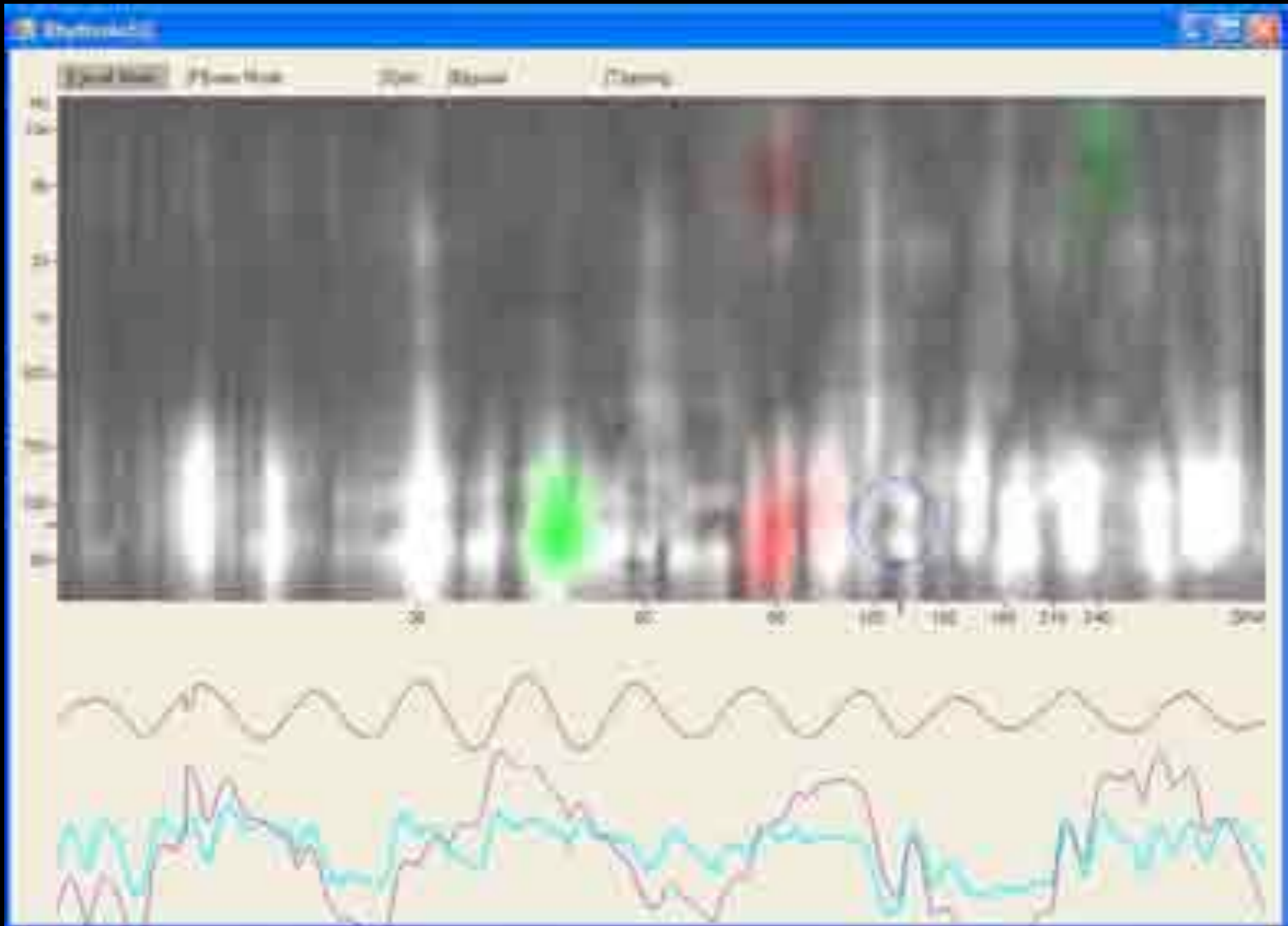


A Loudspeaker as Drumhead



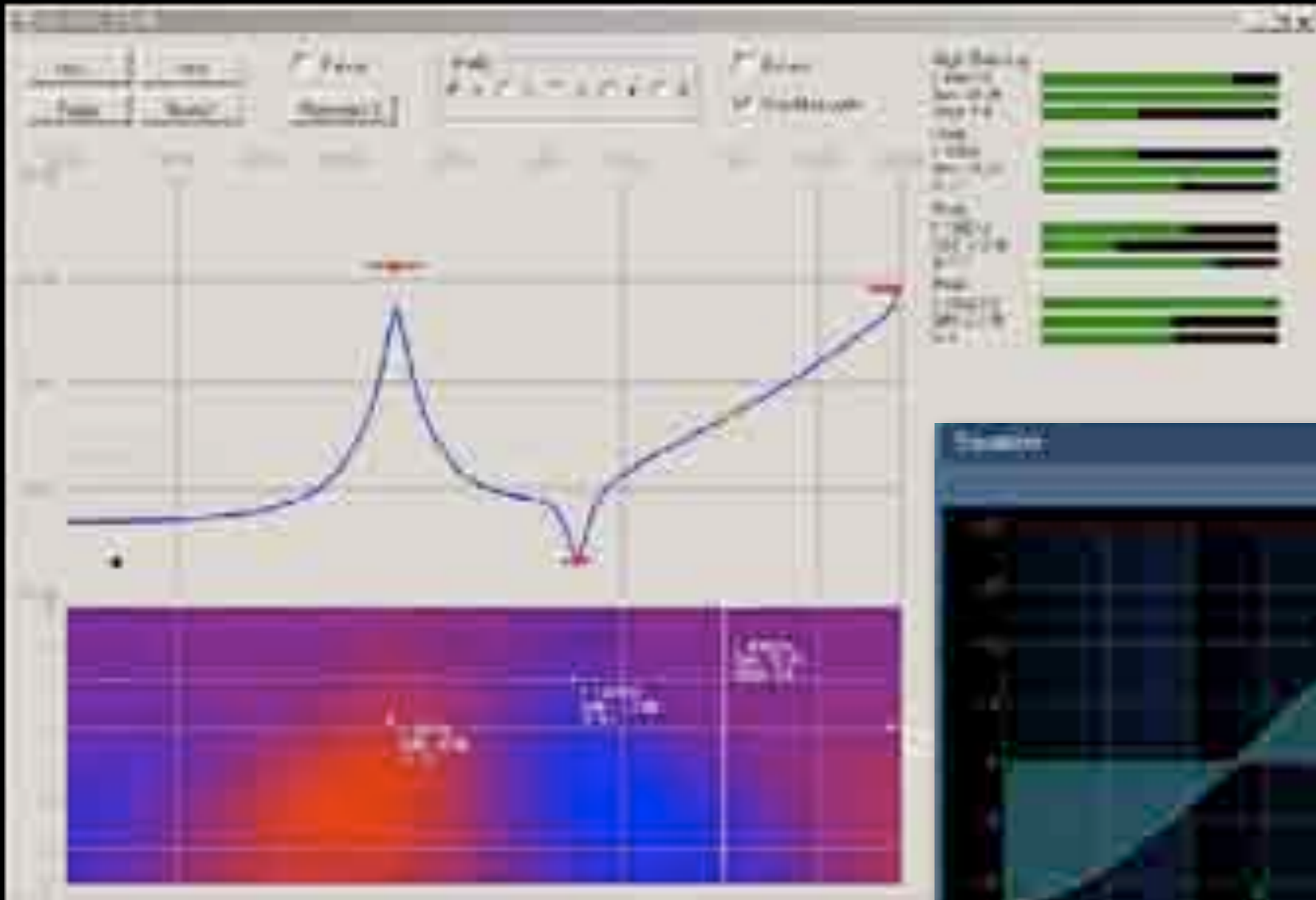
A Rhythmic Analyzer and Equalizer

Rhythmic Frequency (Beats per Minute)

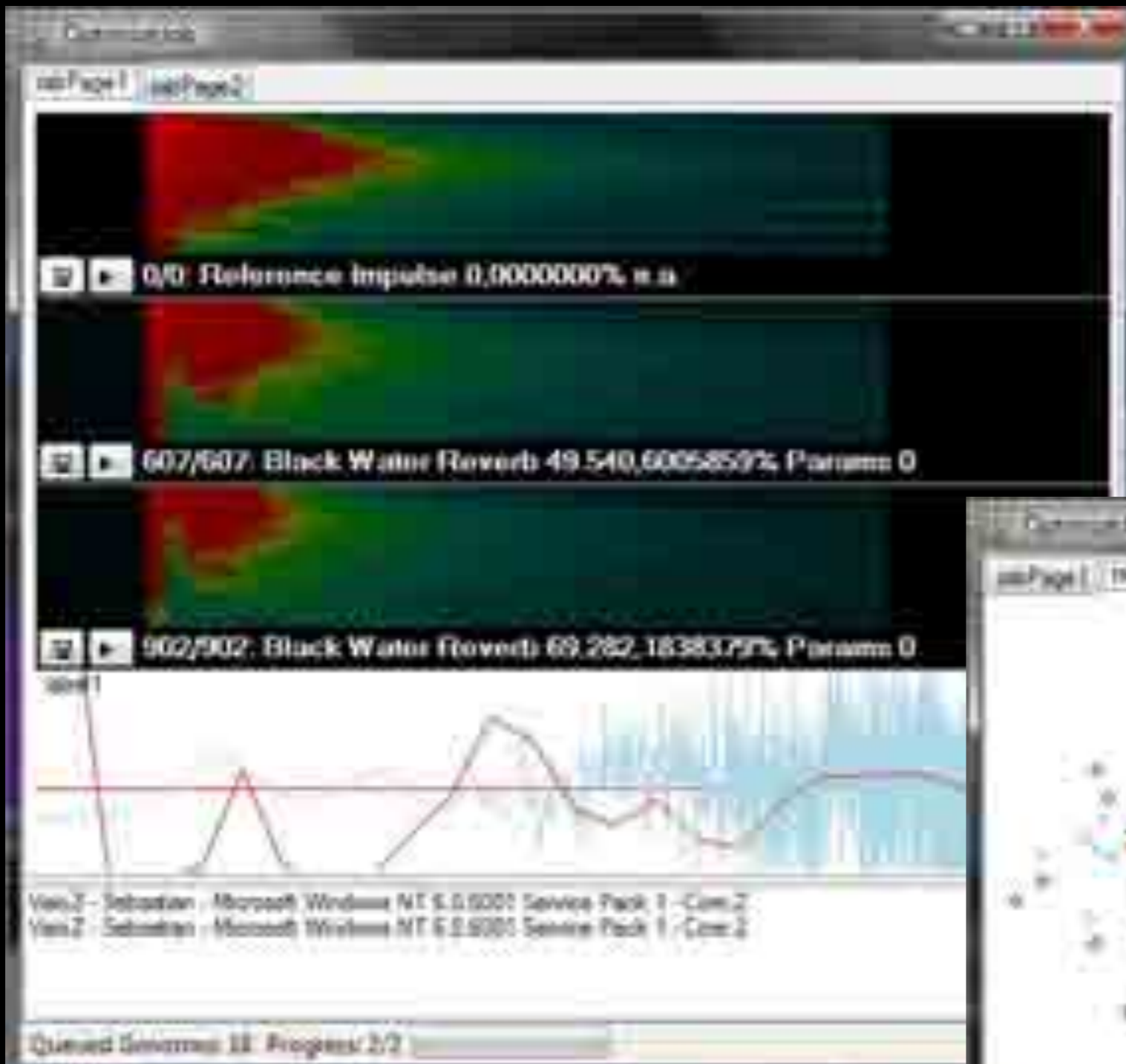


Audio Frequency

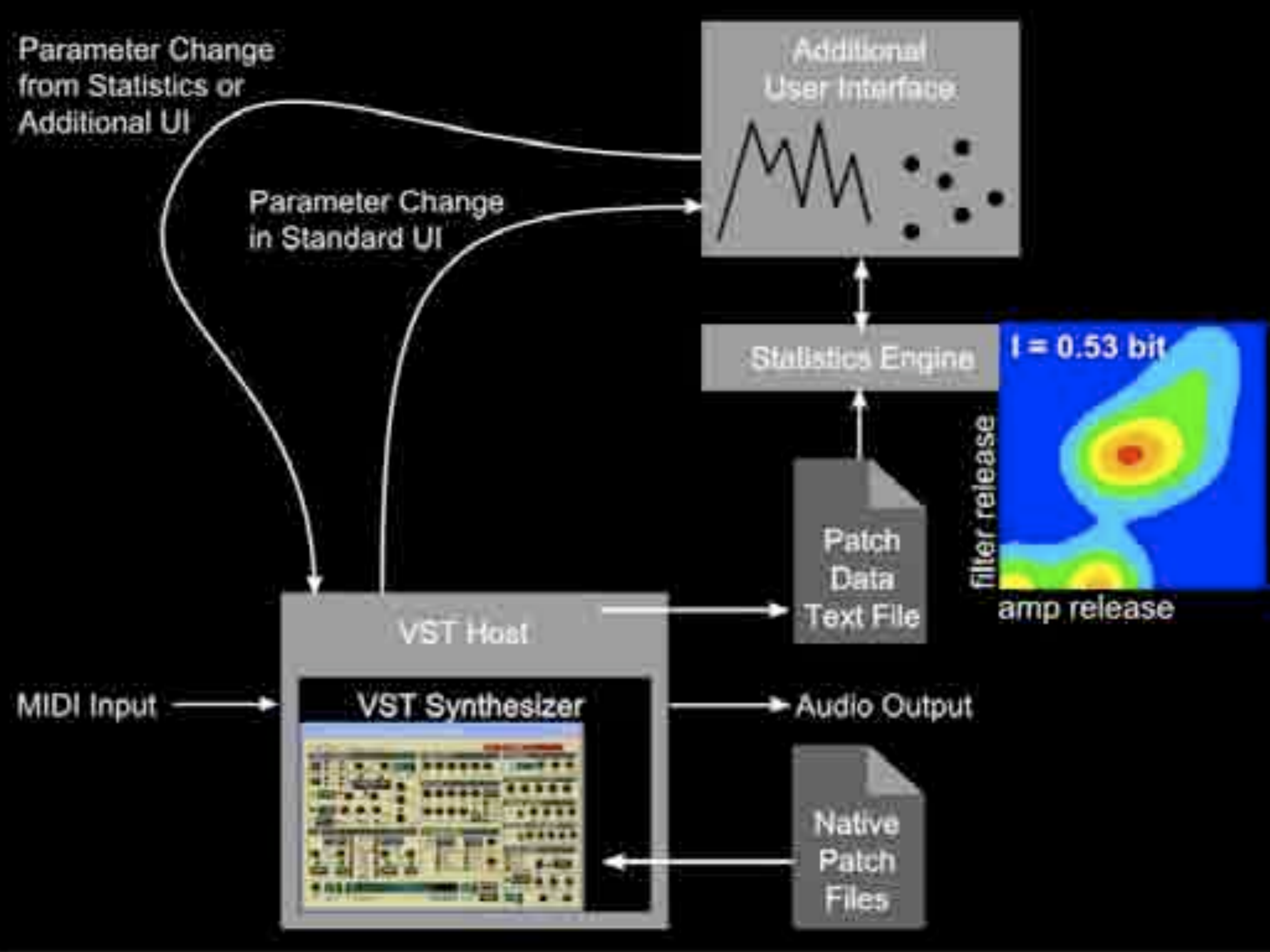
Graphical Control of a Parametric Equalizer



Optimization of VST Plug-in Settings



Programming a Music Synthesizer through Data Mining



Musical Icons: Procedural Glyphs for Audio Files

Agave Bank

View | Application | Search | Settings | System | Help

Home | Dashboard | Reports | Settings | System | Help

Account Summary

Account Name: [Name] | Balance: [Amount] | Last Transaction: [Date]

Account Details

Account ID: [ID] | Branch: [Branch] | Status: [Status]

Account History

Date	Description	Amount
2023-10-27	Initial Deposit	10,000.00
2023-10-28	Withdrawal	2,500.00
2023-10-29	Interest Credit	150.00
2023-10-30	Transfer to Savings	5,000.00
2023-10-31	Monthly Statement	0.00

Agave Bank

View | Application | Search | Settings | System | Help

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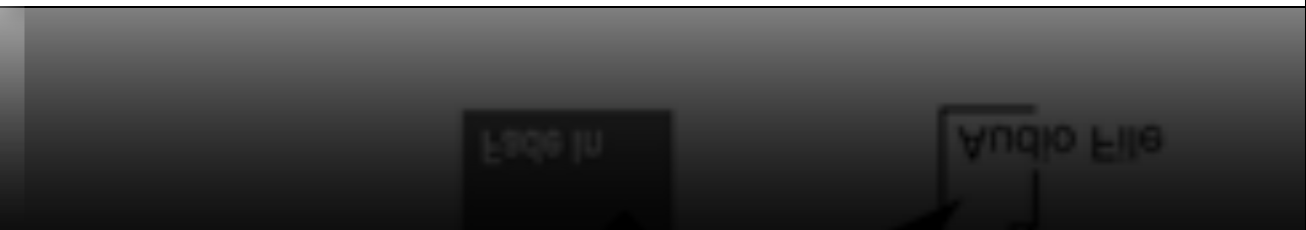
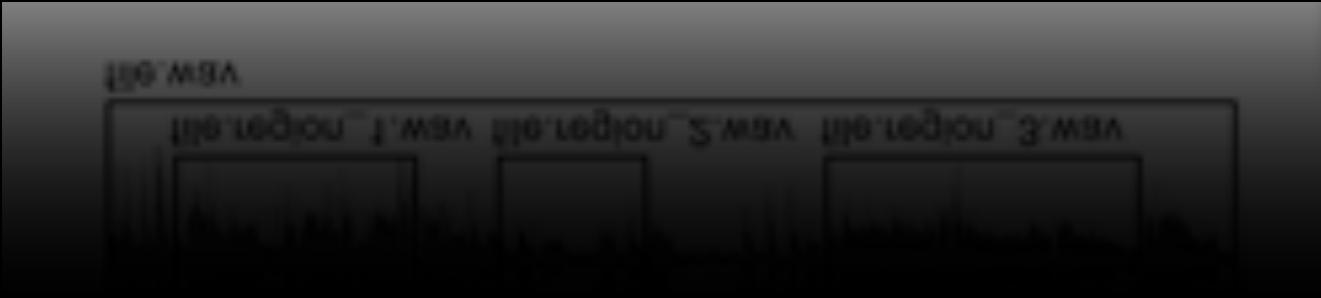
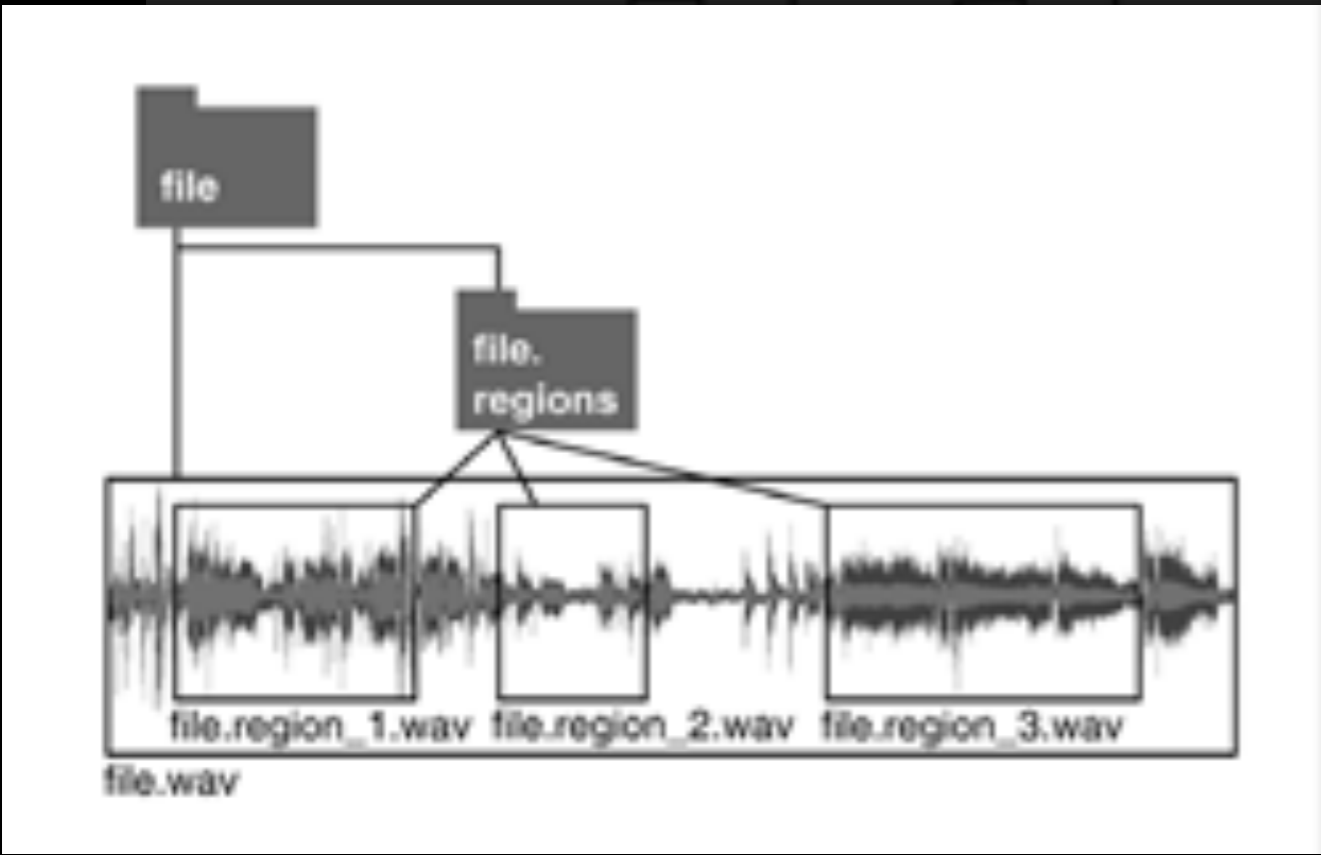
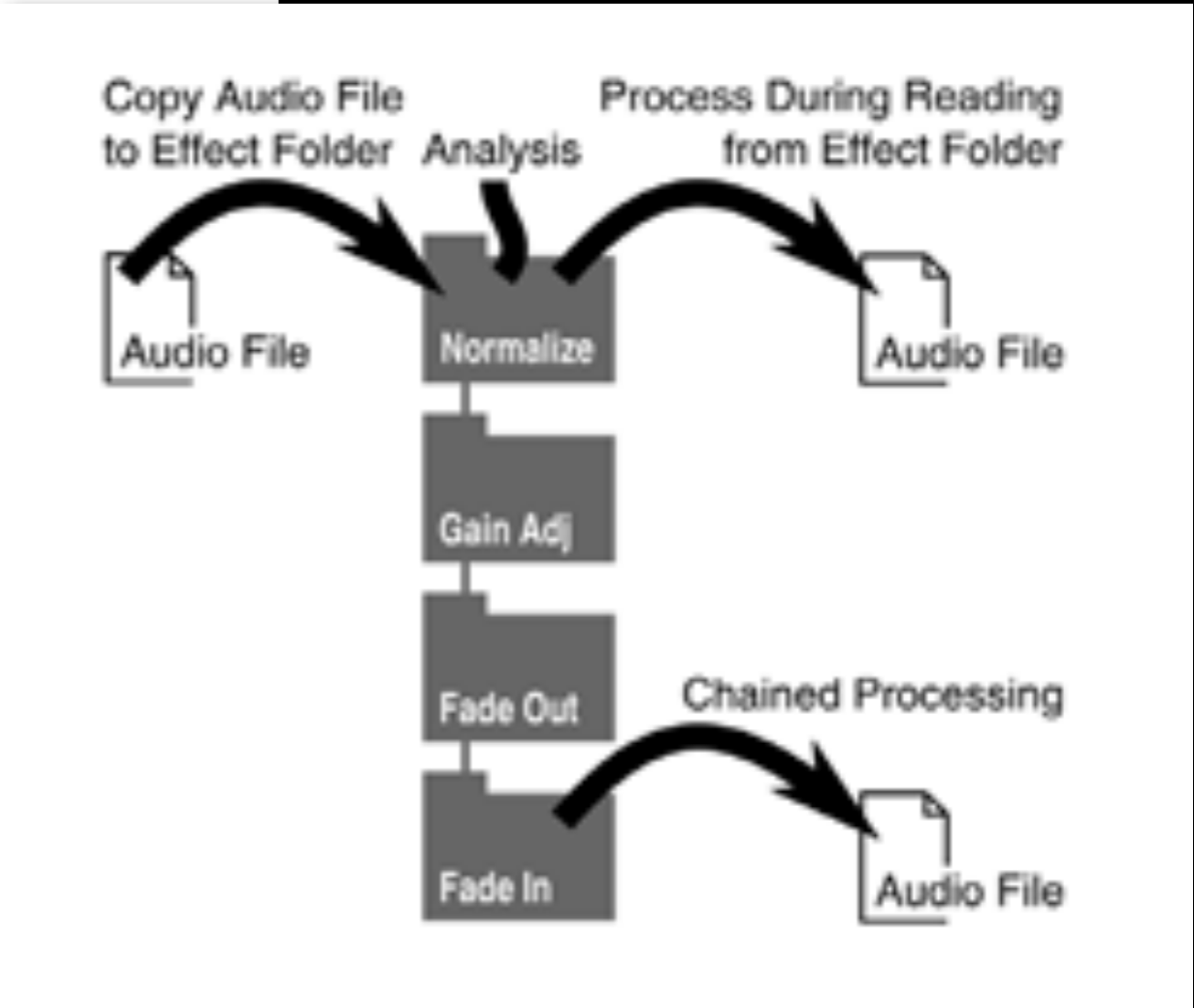
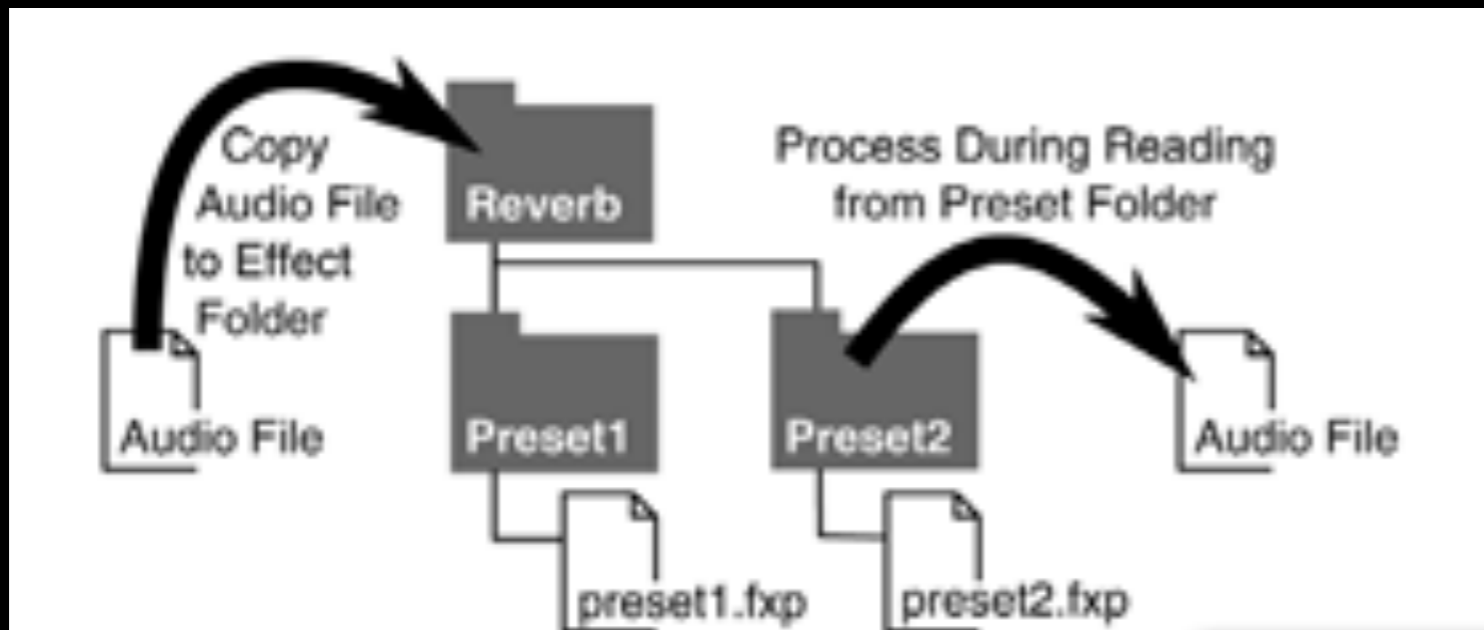
Account Details

Account ID: [ID] | Branch: [Branch] | Status: [Status]

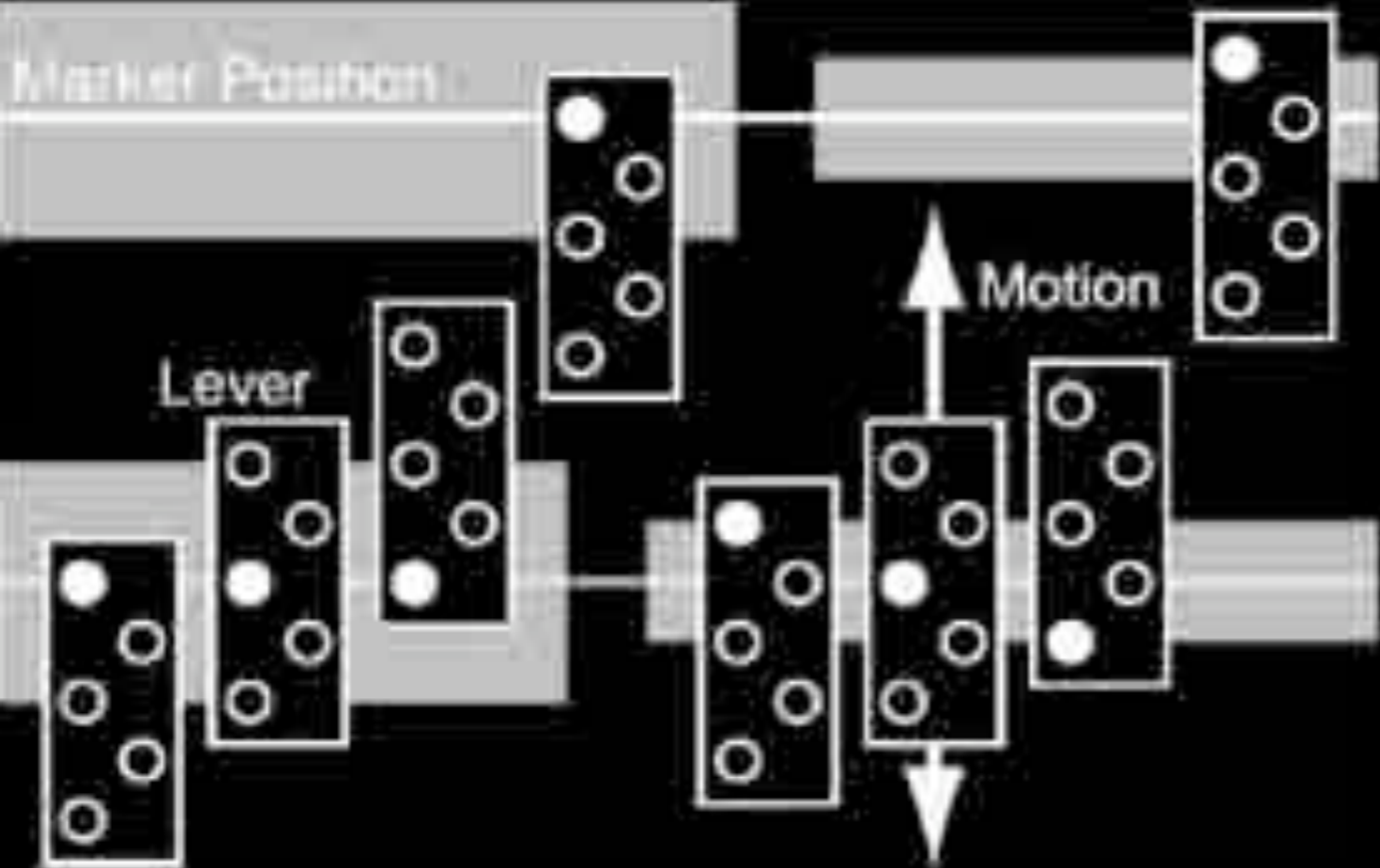
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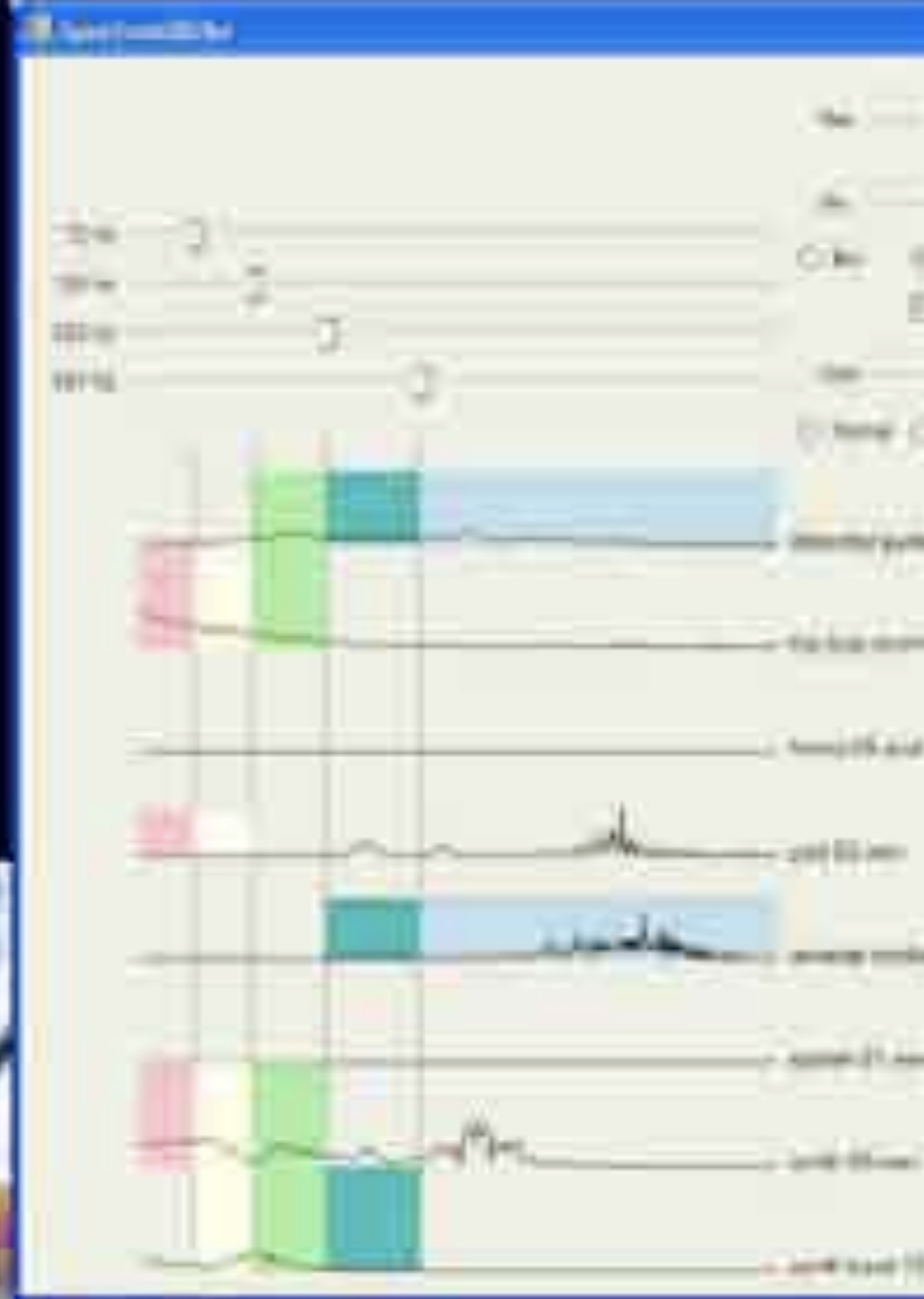
Virtual File Systems for Audio Production



Sound at Your Fingertips: An Electrotactile Fader



Virtual
Detents



Track
Identification

GPU-based Audio via the VGA Port

