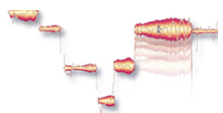
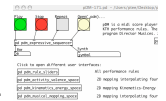
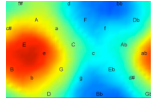


MMTS040 Sound Processing (Spring 2008)

Mikko Myllykoski (MMT)

Projects

- **VISUALIZING MUSIC** (Eerola)
 - **Topic area:** Investigation of visualization tools for highlighting musical parameters (*KeySOM, Synaesthesia colors, Visualization of acoustic descriptors, ExpressiBall, Performance Worm, etc.*).
 - **Goal:** Create a real-time demonstration of the chosen visualization tool for the Showcase.
- **NEW MUSICAL INTERFACES** (Eerola, Tervo, Thompson)
 - **Topic area:** Examination of new gesture and movement control systems related to music, e.g., *Using Wii to create music, Optophone, Video-control systems of music, Thummer, etc.*
 - **Goal:** Create a working example of one chosen technique (demonstrate in the Showcase).
- **EXPRESSION TOOLS** (Ferrer)
 - **Topic area:** Tutorial into the computational methods for creating and manipulating expressive performances of music (*Director Musices, pDM, Vienna Symphony Orchestra, Continuator, etc.*).
 - **Goal:** Generate musical examples and/or create a working, real-time example of expressive parameter manipulation using aforementioned tools.
- **MUSIC MIXING** (Myllykoski)
 - **Topic area:** Learning advanced mixing techniques such as dynamics processing, equalization, effects, and mastering.
 - **Goal:** Process the sound material from another project for the Showcase.
- **MUSIC EDITING TOOLS** (Myllykoski)
 - **Topic area:** Tutorial into the state-of-the-art editing tools such as *Melodyne, Beat Detective, VocAlign, etc.*
 - **Goal:** Transform a mediocre performance into professional one and demonstrate this at the Showcase.



Showcase / Concert based on the projects

Schedule: 22.4. 12-14 at M 103 (Public event)