

025:251 COMPOSITION: ELECTRONIC MEDIA II

Spring 2010

Micro-randomization in Max/MSP

1. Discussion of the Fritts theory of micro-randomization: when a music instrument is played, some parametric values are determined by the composer and controlled by the player; other parametric values are beyond the control of the performer. This is modeled by the theory of micro-randomization, shown in the patch below.
2. The patch below shows the pitch of sfplay~ transposed by 18 semitones and micro-randomly varied by +/- 10 cents.
3. The volume is set to 0.5 and micro-randomly varied by 0.14.
4. Consider using the following:
 - a. Subpatches
 - b. Fixed values
 - c. Expr objects

