

Figures

Background: Sonic Sketching

Hardware mixer



Figure 1: SSL SL9000J (72 channel) console at Cutting Room Recording Studio, NYC



Figure 2: Skeuomorphic software FX

FX

SonicPainter

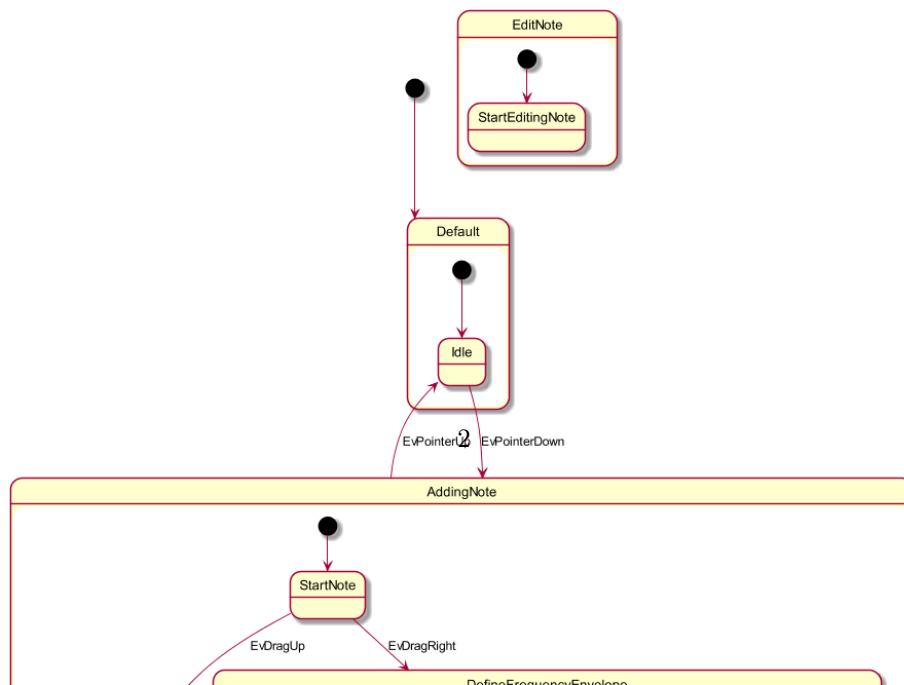
Xenakis

Execution

Prototype

Adding notes sketch

Adding notes fsm



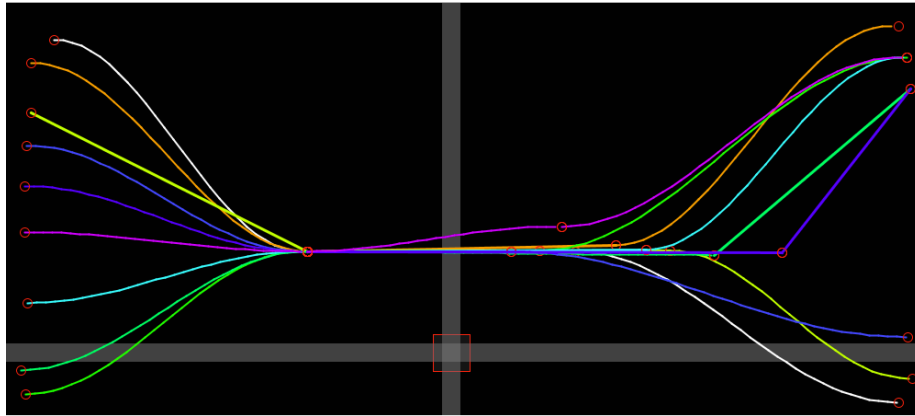
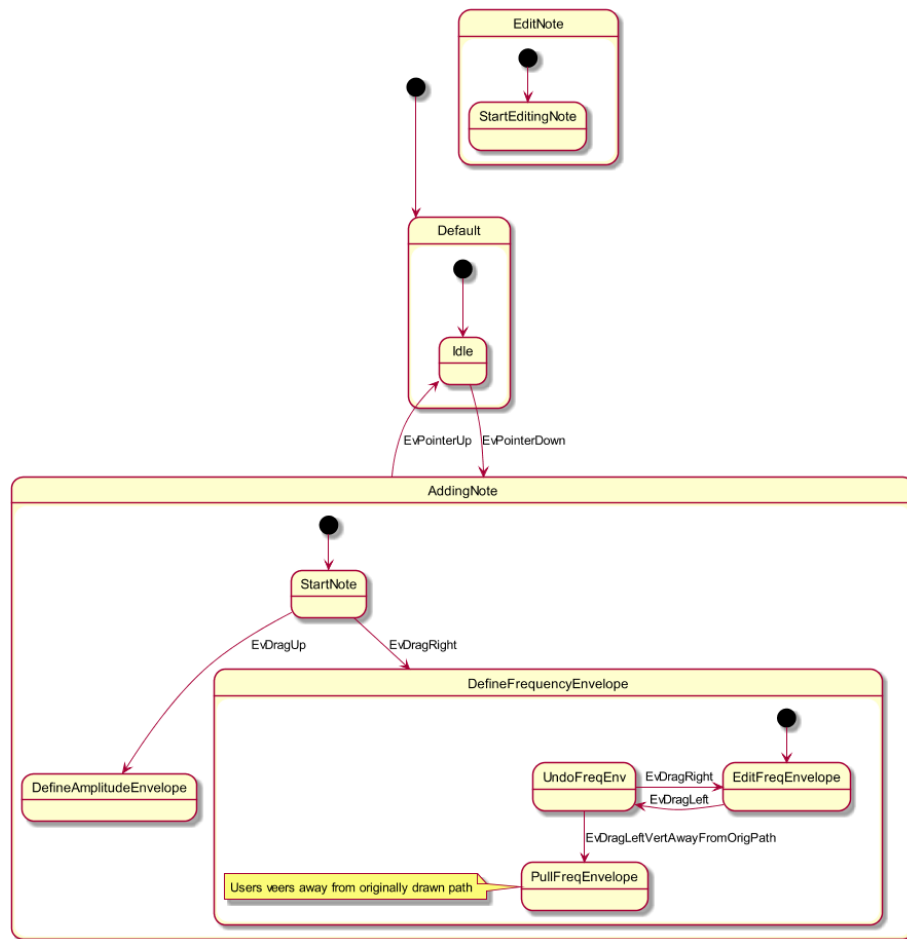


Figure 3: SonicPainter by William Coleman



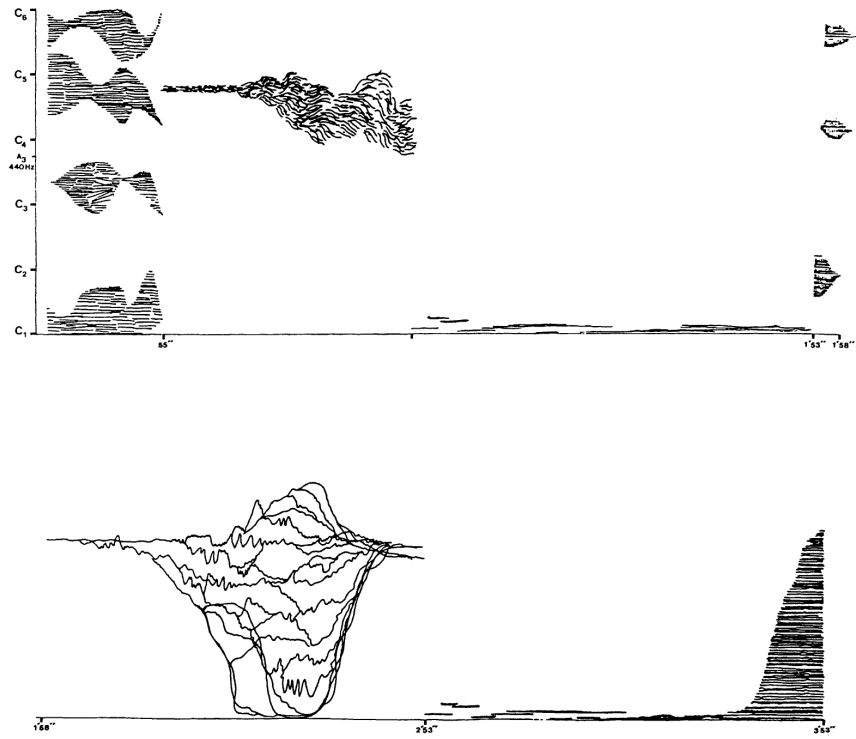


Figure 4: Iannis Xenakis - Mycenae Alpha score

:noexport:

Editing notes

Evaluation

Exhibit

SUS

Table 1: Results of SUS questionnaire

Factor	result
Learnability	92
Usability	83
Overall system satisfaction	85



Figure 5: Iannis Xenakis showing UPIC to a younger audience

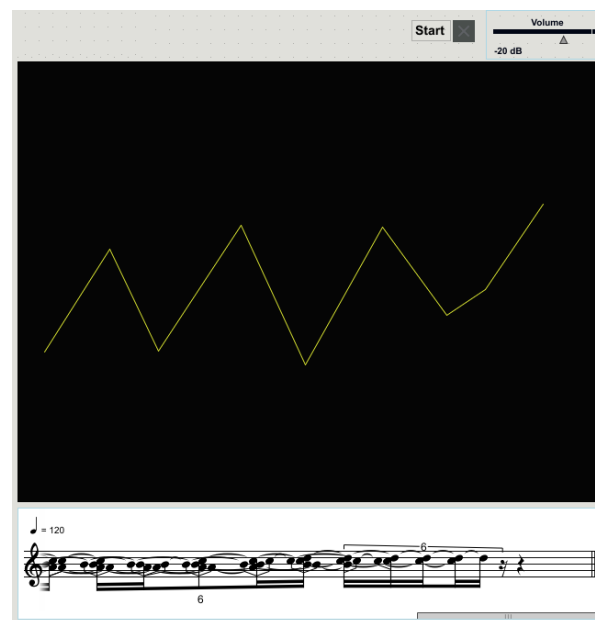


Figure 6: MelodySketch interface

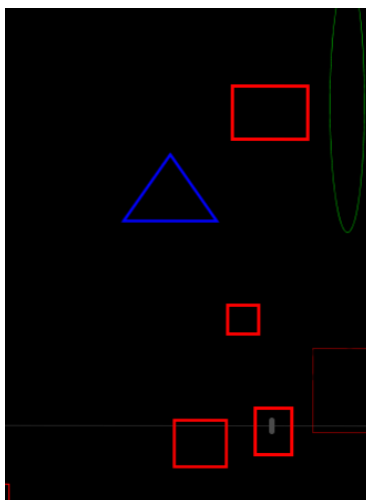


Figure 7: SonicShaper interface

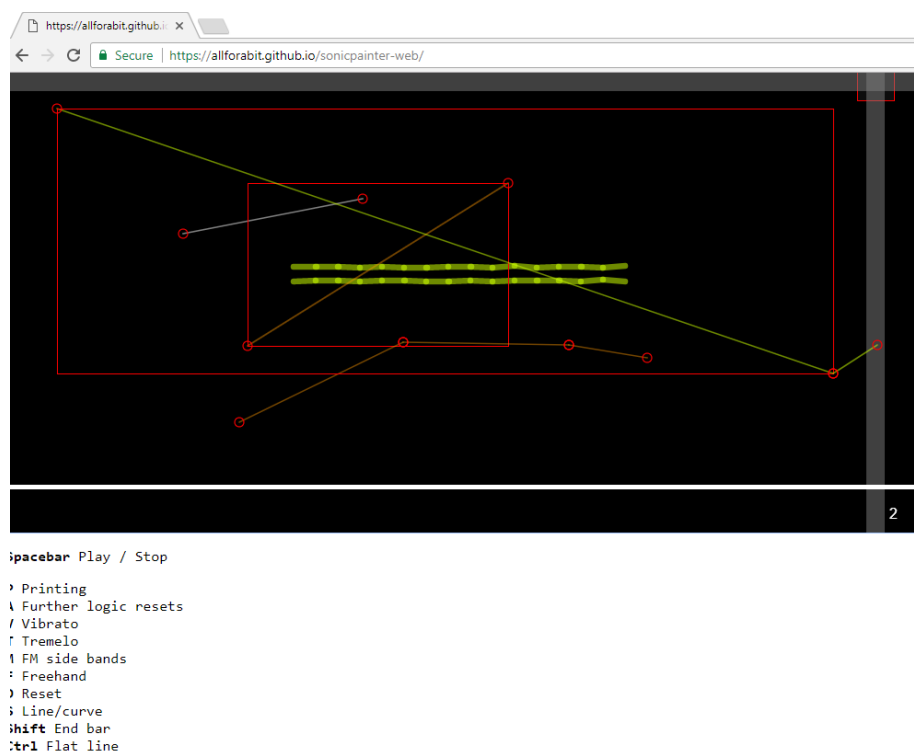
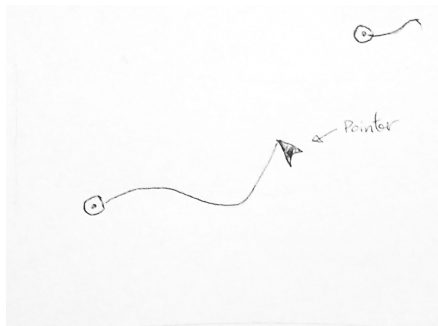
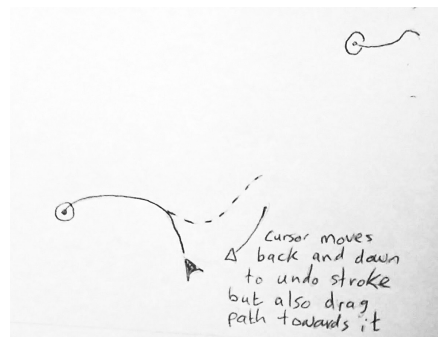


Figure 8: SonicPainter in a web browser



(a) User starts note by dragging left to right



(b) Dragging back clears note

Figure 9: Adding notes in SonicSketch

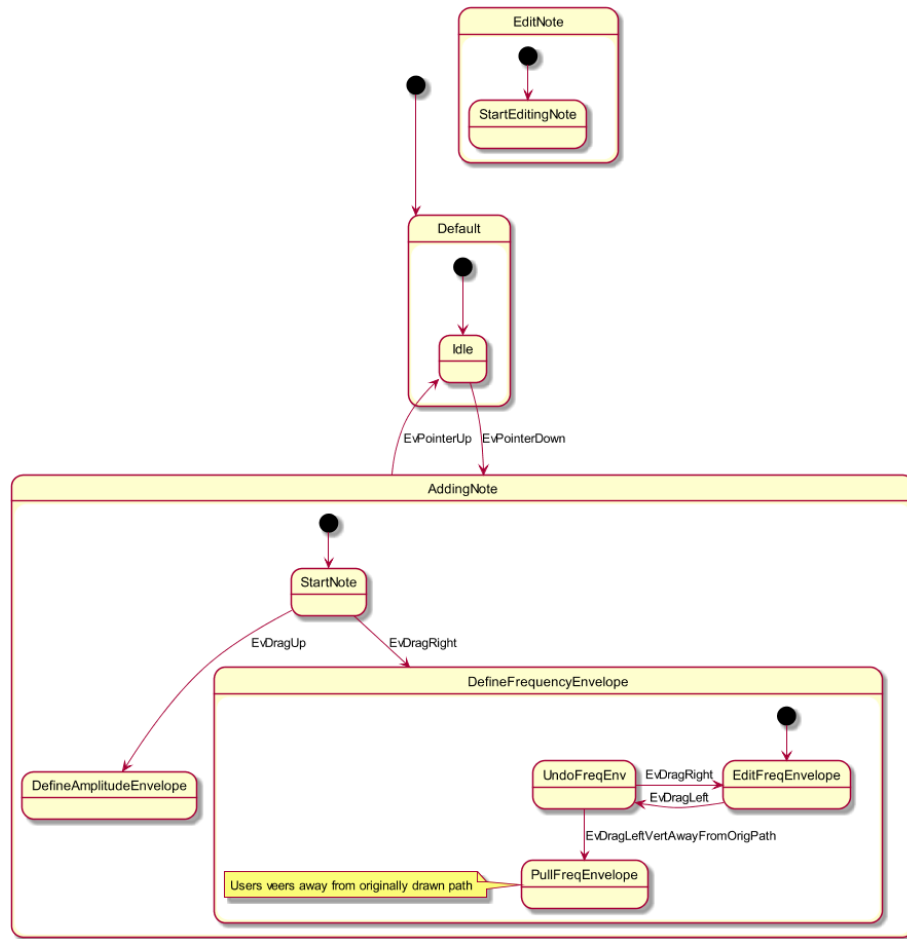


Figure 10: Statechart showing note add process.



Figure 11: SonicSketch tools panel

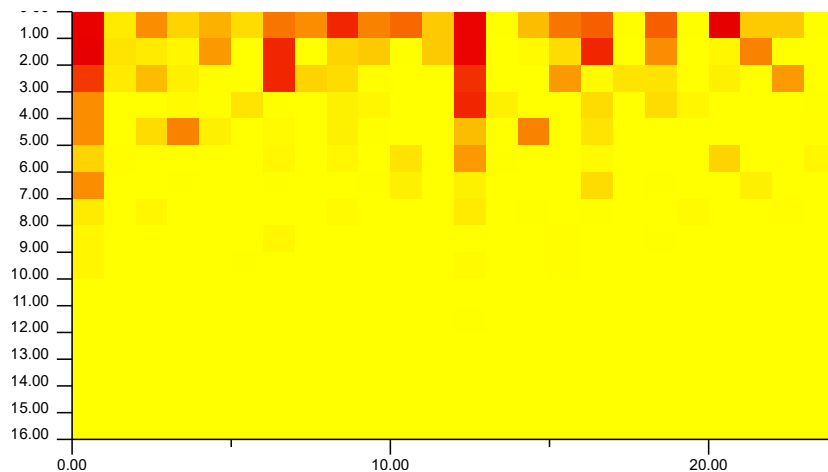


Figure 12: Heat graph displaying note start points

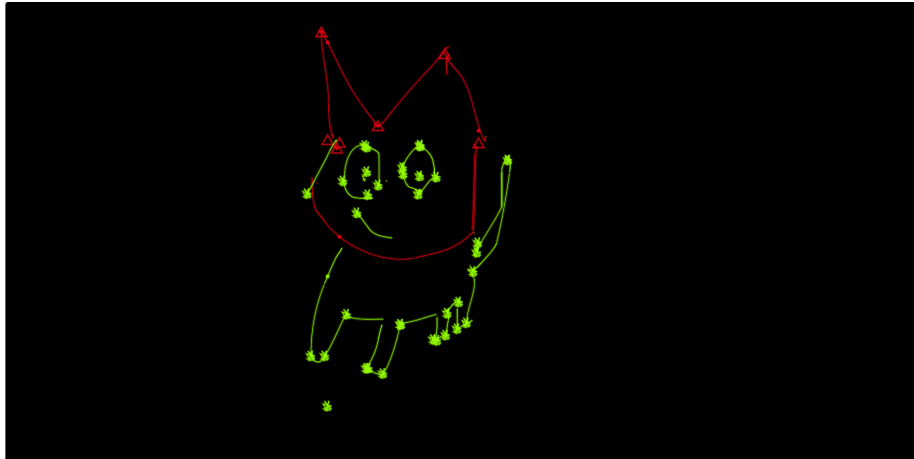


Figure 13: Some exhibit participants managed to draw figurative artwork!