

Improvisation for Flute and Computer

by Michael S. Rothkopf

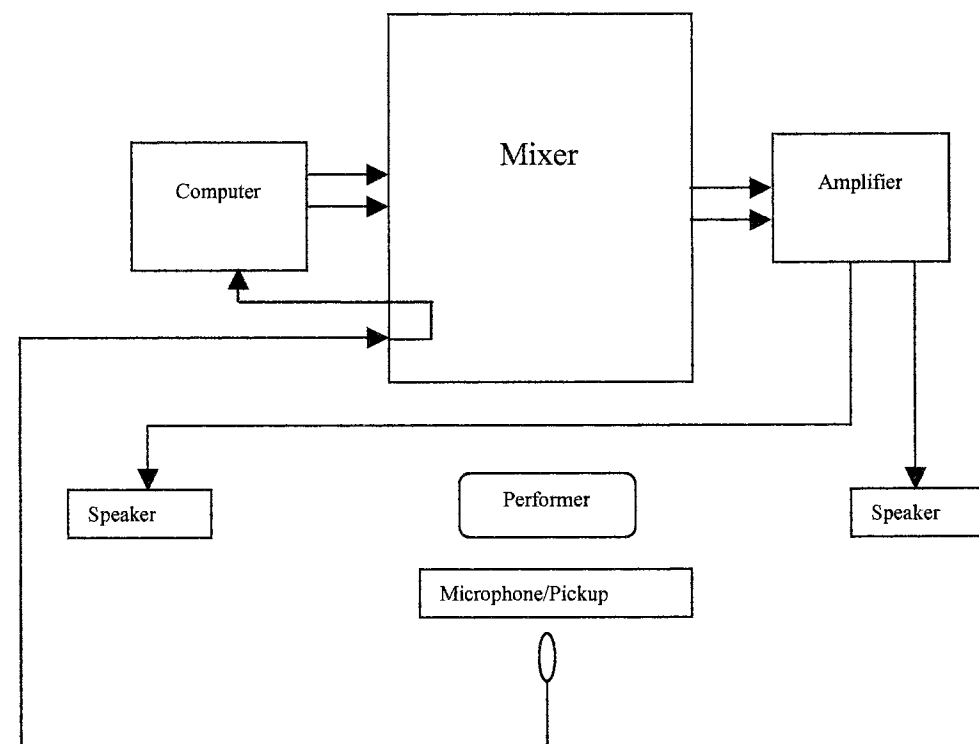
Improvisation for Flute and Computer Performance Notes

This score is in C. Accidentals apply only to the note they precede. Several melodic phrase-paths are given by following the arcs connecting the notes of the written melodic row. Durations are to be determined by the relative spacing of the pitches on the staff. Overall durations of the melodic rows are given at the end of each section. Performers are encouraged to attempt the greatest possible range of melody, rhythm, timbre and phrasing (dynamics and articulations) within the context of their improvisation with the computer. At all times the performer should maintain a sensitivity toward the computer with the goal of shaping the performance into a coherent, improvised, collaborative musical experience.

The computer playback setup is shown in the diagram below. The microphone line should be sent to a mixer channel input then output only to the computer audio input via a mixer auxiliary output. The computer audio output performing the MaxMSP program should be sent to two mixer channel inputs (panned left and right) then output to the amplifier for playback via the main mixer outputs. Insert the computer playback CD into the computer's CD-ROM drive. Open the "Improvisation Playback" file and click on "Start Program" as indicated in the score. Professional quality playback equipment should be used in performance. A Macintosh G4 level computer running Mac OS X.4 (or higher) is needed for the Computer Playback version. The speakers should be spaced far enough apart for the audience to hear the stereo panning and close enough to the player to clearly hear the playback and adjust to the cues and dynamic balance.

A rehearsal recording of the computer playback is available with the score. This rehearsal recording may be used as a backup performance playback in the event that the technical requirements of the interactive program are unavailable.

Computer Playback Setup



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Computer Start Program

Flute

A **B** 1.2.3 25 sec.

mp *mf* *p* *mp* *p*

C **D** **E** 1.2.3.4.5 40 Sec.

mf *poco* *mp* *f* *p* *mf* *mp*

F **G** 1.2.3. 35 Sec.

p *poco* *mp* *mf* *mf* *f* *p* *poco*

January 31, 2001