

Query response

6min 30sec

Queries and responses are what you always see in your daily life. Questions and answers are issued by people and also by digital equipments. A digitally empowered piano also sometimes issues queries to obtain sonified responses from a computer. This piece is commissioned by and dedicated to Hiroaki OOI, who studied electronics at Kyoto University with me some decades ago. It was premiered by him (piano) and me (smartphone), and this time re-coded for a Disklavier and a stand-alone computer.

This piece is written for Csound. It is composed and tested on Ubuntu Linux 14.04. The audio input is supposed to be taken by a microphone located just beside strings in the Disklavier, and the right channel output should be from a speaker at the center, while the left from a speaker toward a wall.

This is not a Max/MSP piece, but I hope this submission will be accepted.



Files:

(1) query-response2a.csd : the version where aplaymidi command is used from inside Csound.
(accurate but needs aplaymidi command)

Run as `csound query-response2a.csd` .

Maybe you must modify the aplaymidi port numbers as in the code 'aplaymidi -p 20:0 part01.mid' .
'aplaymidi -l' will give you the list of available MIDI ports.

(2) query-response2b.csd : the version where Csound midi out is used. (needs only Csound itself)

Run as `csound query-response2b.csd` .

Maybe you must specify the MIDI port number by -Q option. 'csound -Q999 query-response2b.csd' will give you the list of available MIDI port numbers.

osc-dump01.txt : read from (1) and (2)

osc-dump05.txt : read from (1) and (2)

part01.mid : read from (1)

part02.mid : read from (1)

part03.mid : read from (1)

part04.mid : read from (1)

part06.mid : read from (1)

query-response2-demo.mp3 : demo sound created by using software piano

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