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Real-time sound synthesis on a multi-processor platform

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Real-Time Sound Synthesis on a Multi-Processor Platform

Sound Samples: Ph. D Thesis Supplement

Takebumi ITAGAKI

List of Sound Samples

4.4.	88-voice organ (fixed allocation)	24"
5.1.1.	110 Hz triangle wave with true harmonics	7"
5.1.2.	110 Hz triangle wave with "borrowed" harmonics	7"
5.2.1.	9-voice organ: "pipe organ" like [44.1 kHz sampling rate]	21"
5.2.2.	9-voice organ: saw-tooth wave based with hyperbolic envelope [44.1 kHz sampling rate]	21"
5.3.	Multi-rate 88-voice organ (fixed allocation)	21"
6.4.1.	2x time compressed granulated 440 Hz sine wave	2"
6.4.2.	2x time stretched granulated 440 Hz sine wave	6"
6.4.3.	segment of speech	5"
6.4.4.	2x time compressed granulated speech segment	2"
6.4.5.	2x time stretch granulated speech segment	6"
7.1.1.	granulated 440 Hz sine wave with simple-ramp	5"
7.1.2.	granulated 440 Hz sine wave with half-cosine ramp	5"
7.1.3.	granulated 440 Hz sine wave with parabolic ramp	5"
7.1.4.	granulated 440 Hz sine wave with quasi-Gaussian ramp	5"
7.2.1.	granulated 440 Hz sine wave with 320-sample-long model	5"
7.2.2.	granulated speech with 320-sample-long model	5"
7.2.3.	granulated 440 Hz sine wave with 640-sample-long model	5"
7.2.4.	granulated speech with 640-sample-long model	5"
7.2.5.	granulated 440 Hz sine wave with 2560-sample-long model	5"
7.2.6.	granulated speech with 2560-sample-long model	5"
8.1.	an example of sound granulation	20"