

Piano Treatment


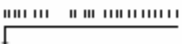


piano and live electronics performance

Renato Messina

Piano Treatment

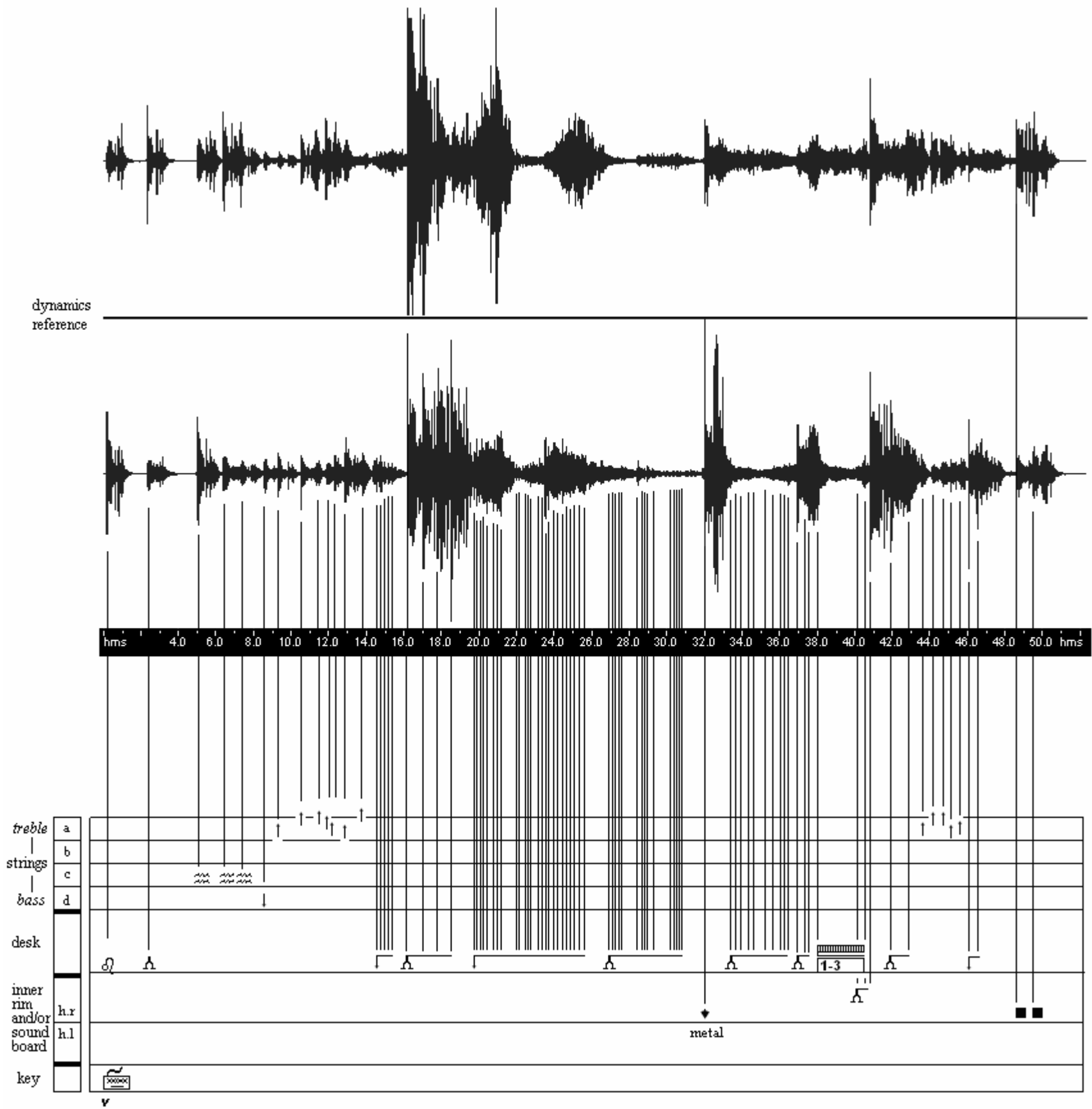
Piano Treatment is the transcription of an original improvised performance. The main task of its informal structure is to explore the expressive reaction of the computer to some specific human musical gestures in an acoustic domain without pre-programmed syntactic relations. A range of percussive gestures performed inside the soundboard of the piano stimulates the reaction, only partially predictable, of the electroacoustic environment depending on the amplitude and frequency envelopes detected. The live electronics, running under Max/MSP, integrates two principal components: the first analyzes the acoustic input of the percussive performance; the second generates audio output micro-phrases. The electronic sounds are generated using input granulation objects linked to a synthesis model based on the extended Karplus-Strong algorithm. Dynamic tools for reverberation and spatialization are also integrated in the live electronics.

Definitions of symbols

- - a plastic wheel slid through
 - ↓ - percussion with a single finger
 - ↑ - pizzicato with a single finger
 - - percussion with a small metal slab
 - ☄ - percussion with the open palm of one hand
 - ♁ - thumb slap
 - △ - fingers slap (2 3 4 5)
 - ▼ - percussion with an object of the indicated material
 -  - fast and nearly periodic percussion with tremolo between thumb and middle finger
-   - iteration of a symbol for the indicated duration
-  - computer keyboard input and relative control key
 - ▼

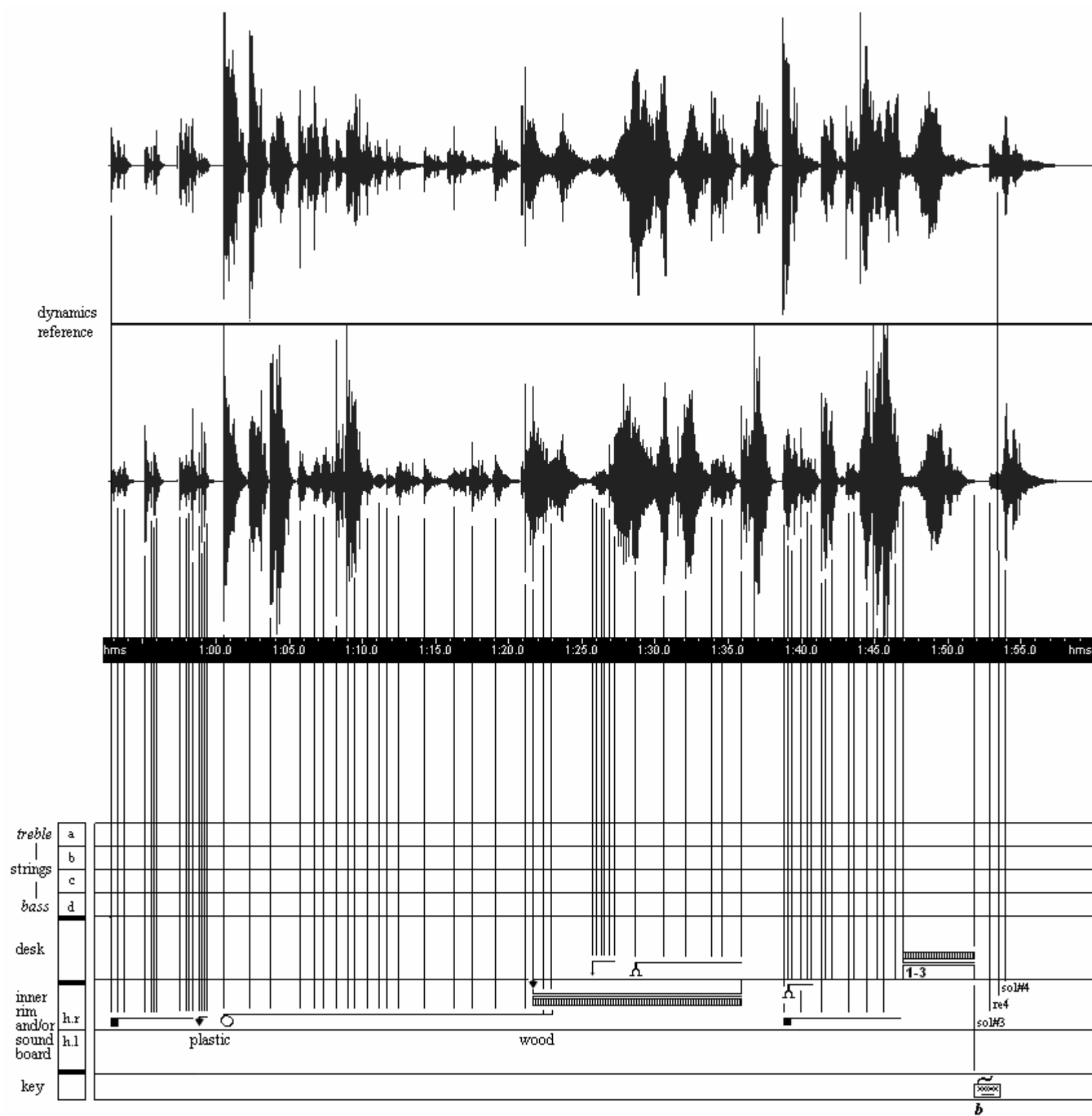
Piano Treatment

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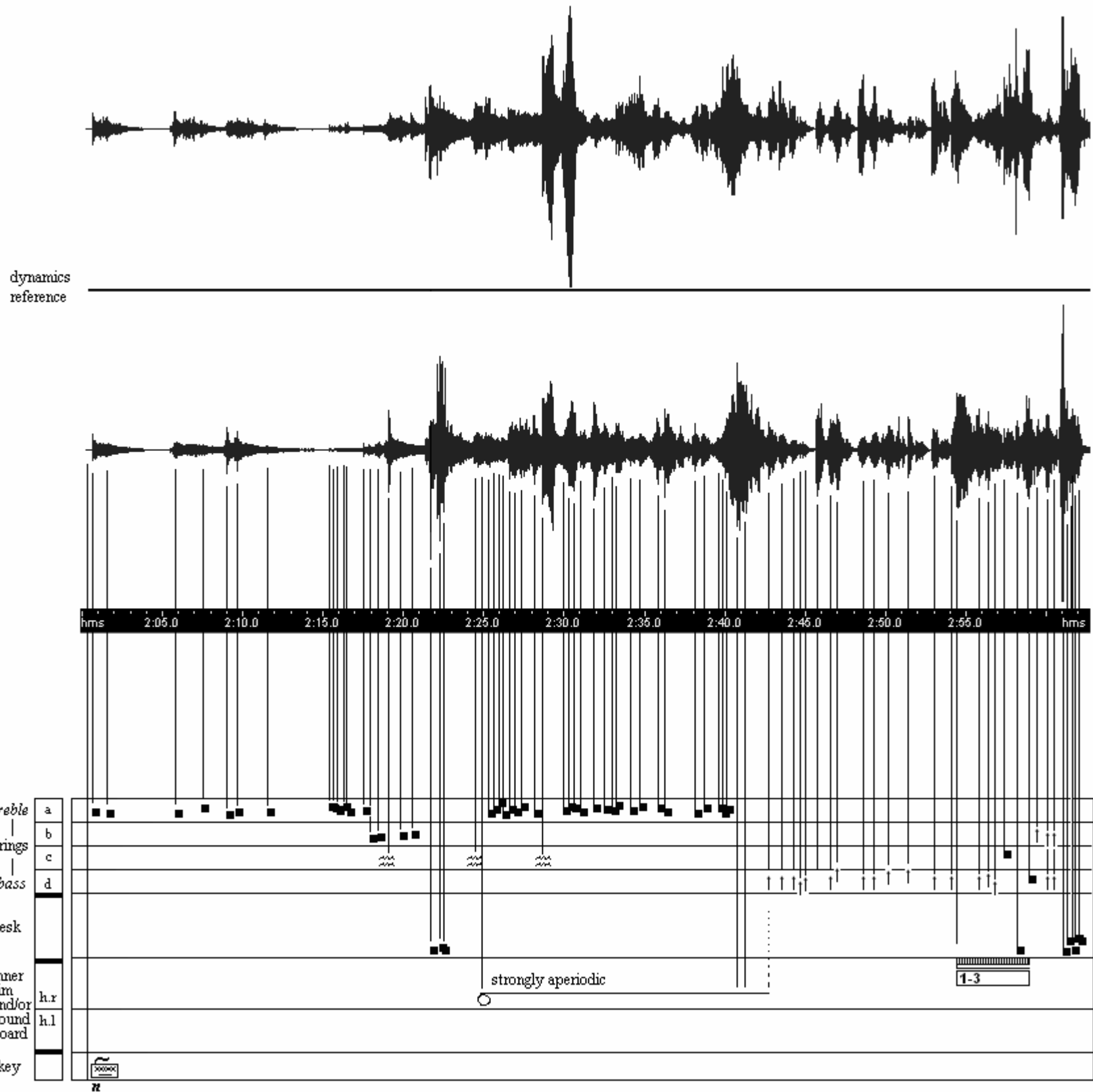
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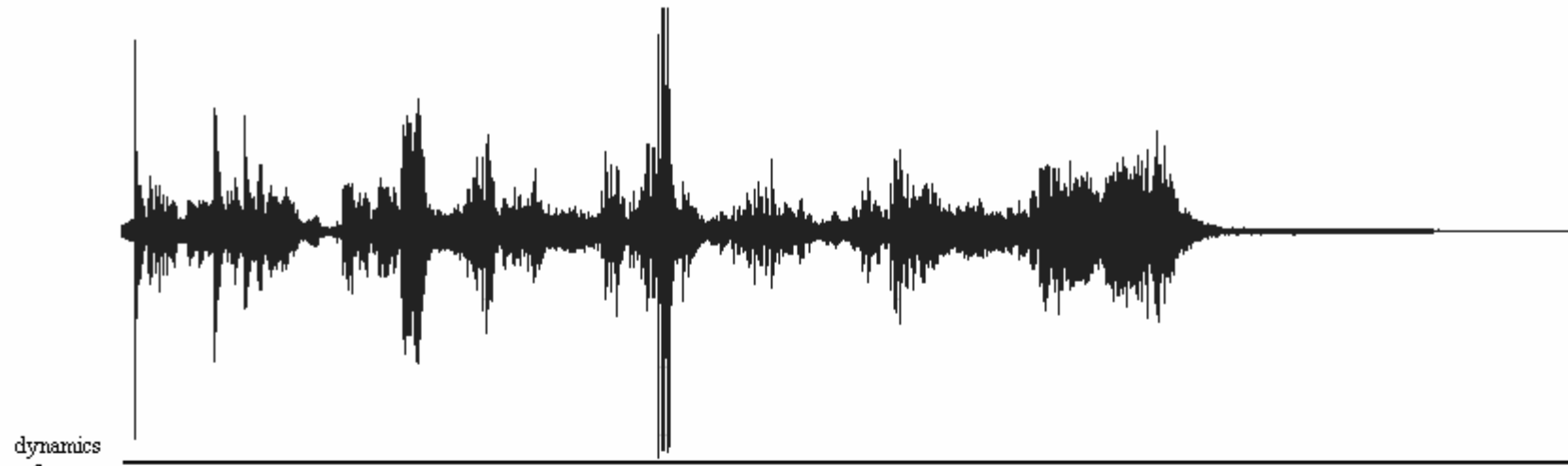
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Piano Treatment

IVth



dynamics
reference

