

Swarm Synth III

dedicated to the exhibition '17 Retrospective 'speculative object'

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... if the word music is sacred and reserved for eighteenth-
and nineteenth-century instruments, we can substitute a more
meaningful term:organisation of sound.

John Cage
The future of music: Credo

If it is one of the substantial matters for a contemporary composer,
to determine how to organise sound beyond the classical discipline
of music, it would be one of the casual ideas in digital era, to
employ computational algorithms.

The series of experiments starts from the application of biomimicry
algorithm as a self-organising system to be the solver to organise
sound and consequentially the musical performer.

The dynamics of swarm, emerging from the interaction of individual
agents adhering a set of simple rules, create differentiated visual
patterns as well as equivalent output as signals of sound.

In this specific installation, which is intended for the present
occasion, the set of artificial agents extracts color values from
the exhibited drawings to define the frequencies of sound waves, by
which the installation "speculates" hidden aspect of the displayed
images.

"Music is as immediate an objectification and copy of the whole will as
the world itself is, indeed as the ideas are, the multiplied phenomenon
of which constitutes the world of individual things. Therefore music is
by no means like the other arts, namely a copy of the Ideas, but a copy
of the will itself, the objectivity of which are the Ideas."

Arthur Schopenhauer
The world as will and representation