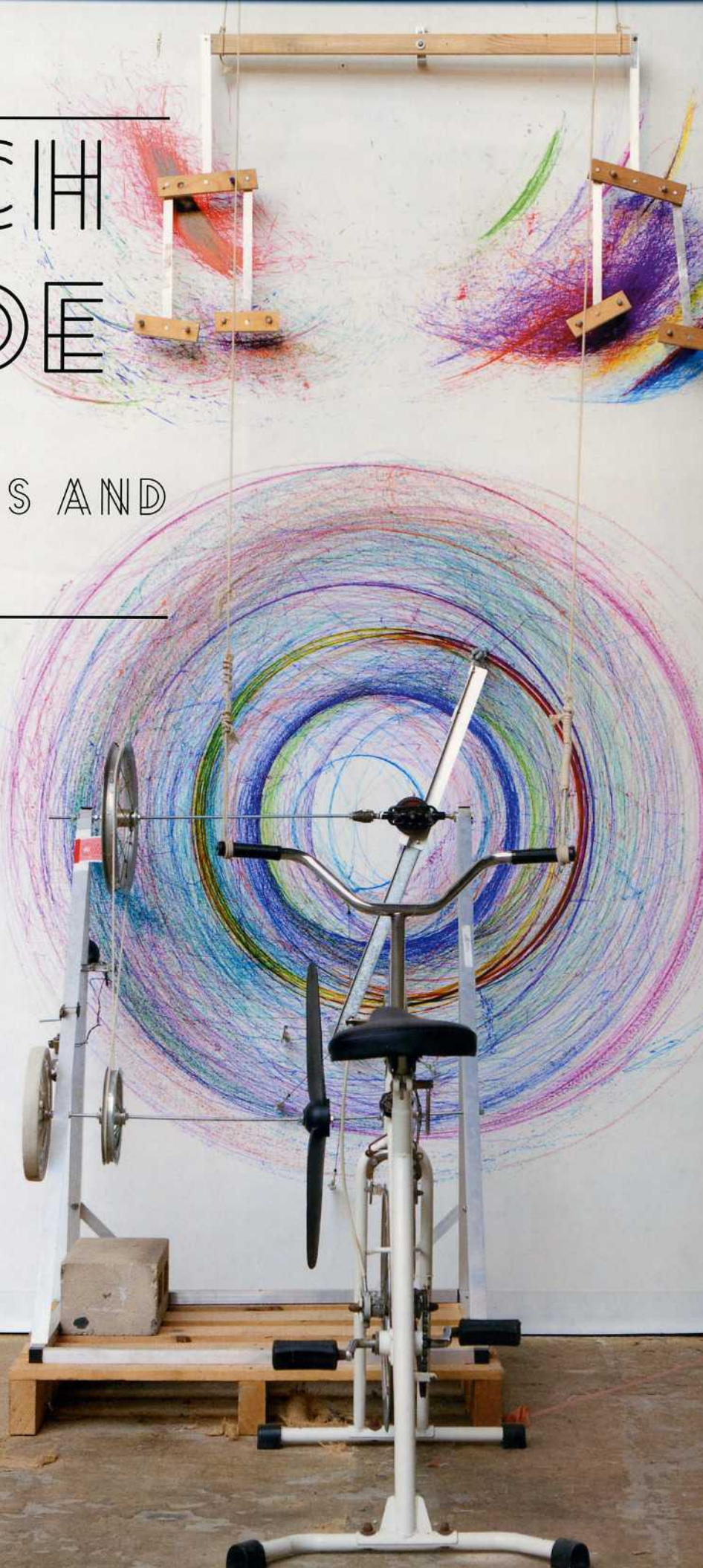# A TOUCH OF CODE
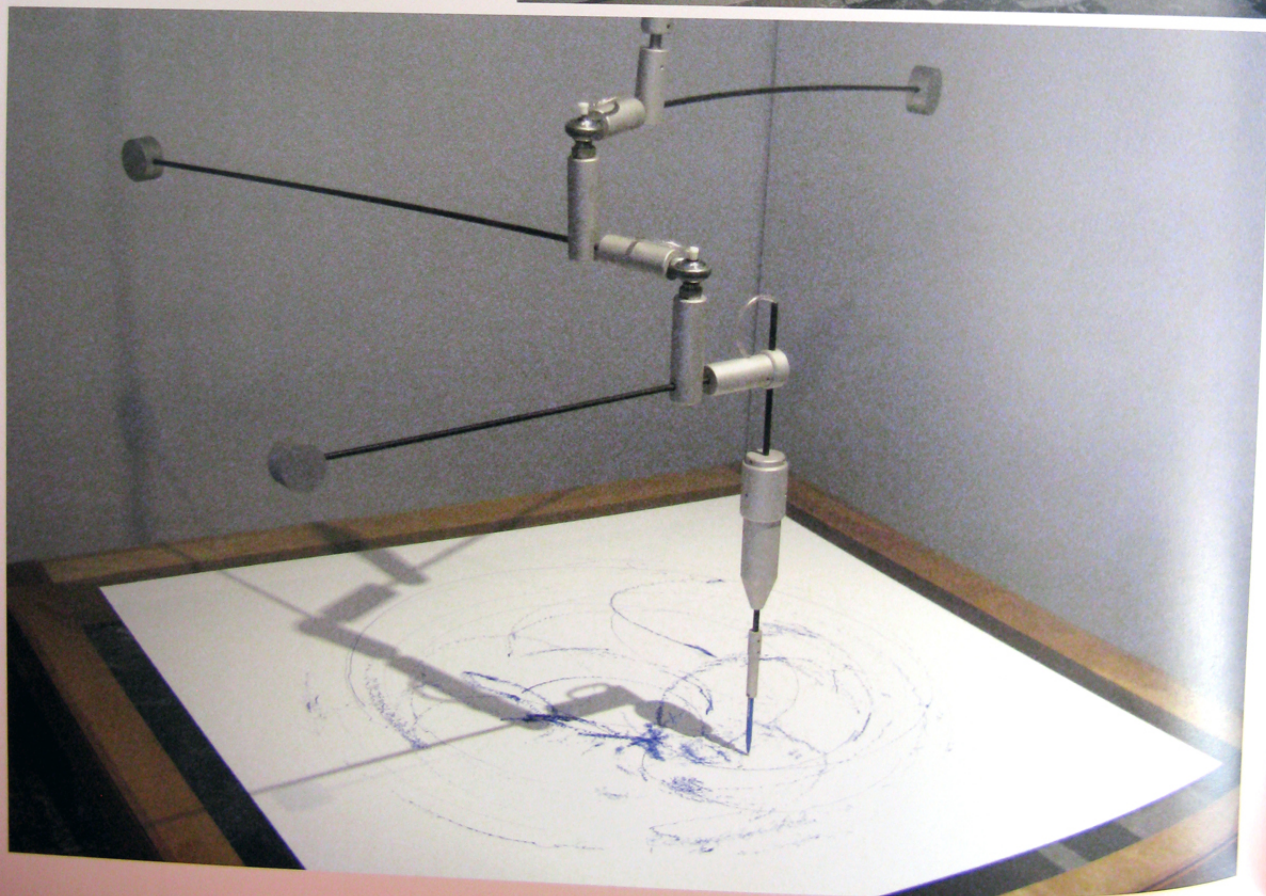
INTERACTIVE INSTALLATIONS AND EXPERIENCES

gestalten

Fernando Orellana

DRAWING MACHINE 3.1415926 V.2

Drawing Machine 3.1415926 v. 2 explores the notion of generative art, or art that generates its own art. The piece consists of a three tiered mobile sculpture that is driven by the vibration of a motor. This vibration is controlled in two ways. First by the machines programing, essentially a set of instructions on how to draw. Secondly by monitoring one or two microphones, giving it the ability to "listen" to its environment. When it hears something loud enough it uses that information directly to create marks. In this way the machine collaborates with its environment; sometimes using its program, and sometimes using what it hears to make drawings.

Fernando Orellana

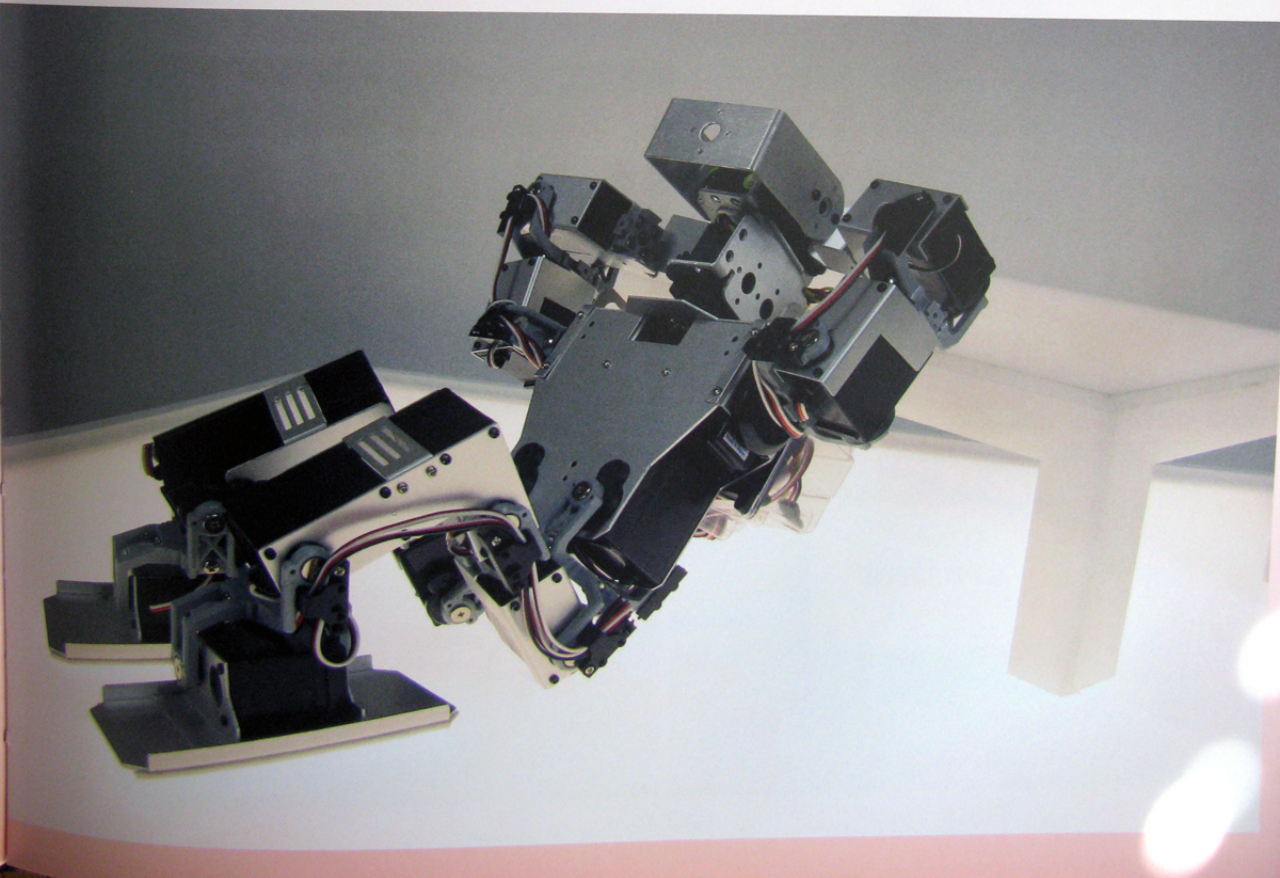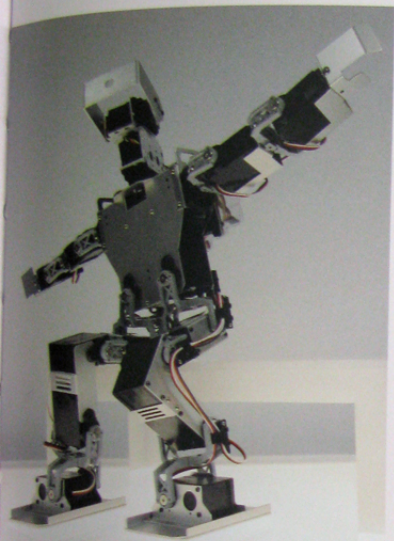—

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SLEEP WAKING

The steady integration of robotic technology into society is slowly changing human perception of reality. Robots allow us to go beyond the limitations of our own bodies, altering our capacity for movement and communication. *Sleep Waking* attempts to anticipate possible roles that the robot might occupy in future societies. The device uses recordings of brainwave activity and eye movement during REM sleep to determine its behavior.

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