

Accademia di Belle Arti di Bari
A.A. 2013/2014

Computer Art

ANNI '50 - CIBERNETICI

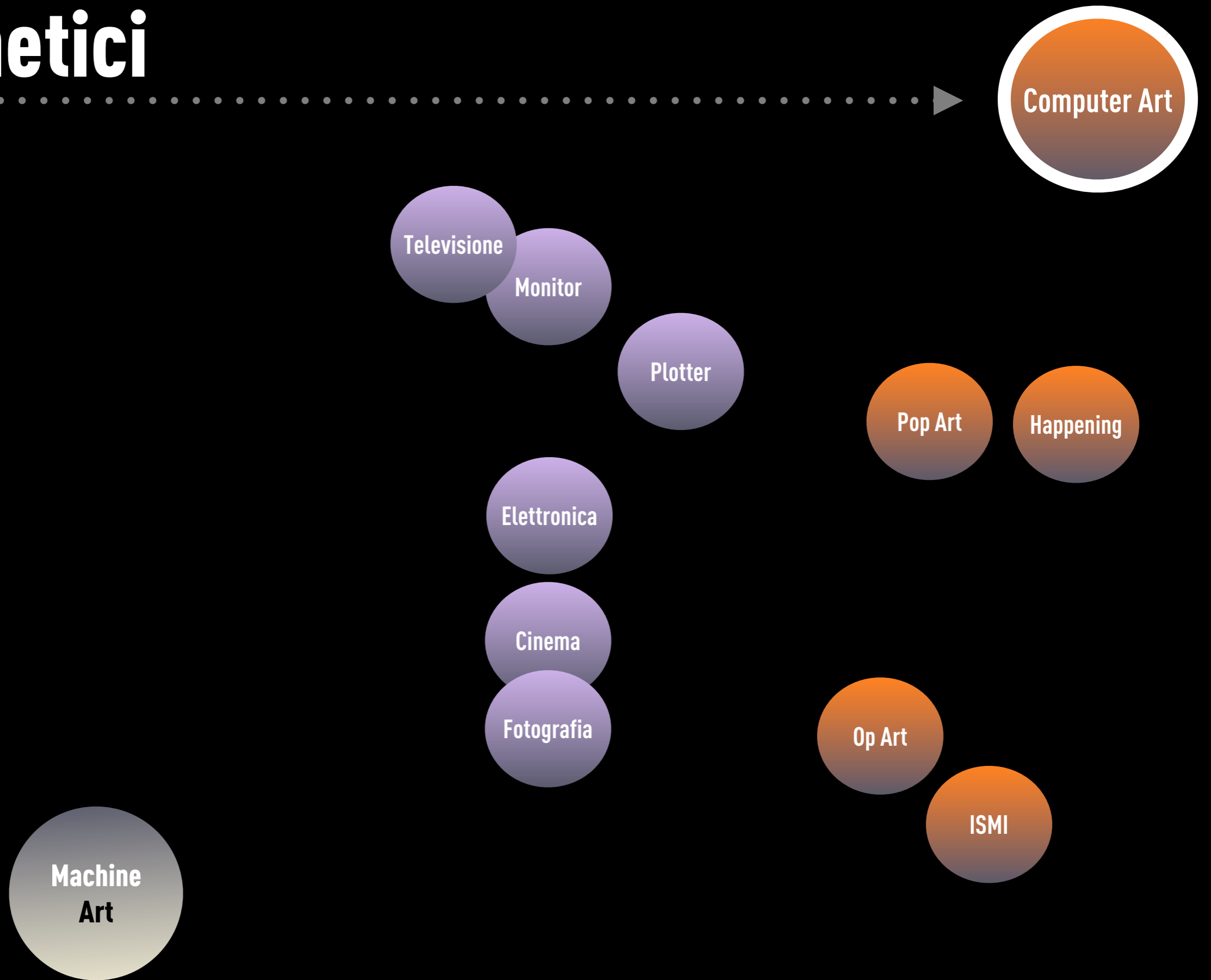
prof. Antonio Rollo

Se vuoi conoscere i
segreti dell'Universo,
pensa in termini di
energia, frequenza e
vibrazione

Nikola Tesla

Cibernetici

ASTRAZIONI



Cibernetici

ASTRAZIONI

Computer Art

Herbert W. Franke
(1927) AU

Ars Electronica
(1979) AU

James Whitney
(1921-1985) US

John Whitney
(1917-1995) US

Vertigo
(1958) US

Ben Laposky
(1914-2000) US

Ectronic Abstraction
(1952)

Léon Teremin
(1896-1993) RU

Ectronic Music
(1927)

Nam June Paik
(1932-2006) KO

Edgar Varese
(1883-1965) HU

Eric Satie
(1866-1924) FR

Cibernetici

ASTRAZIONI



Eric Satie
(1866-1924) FR



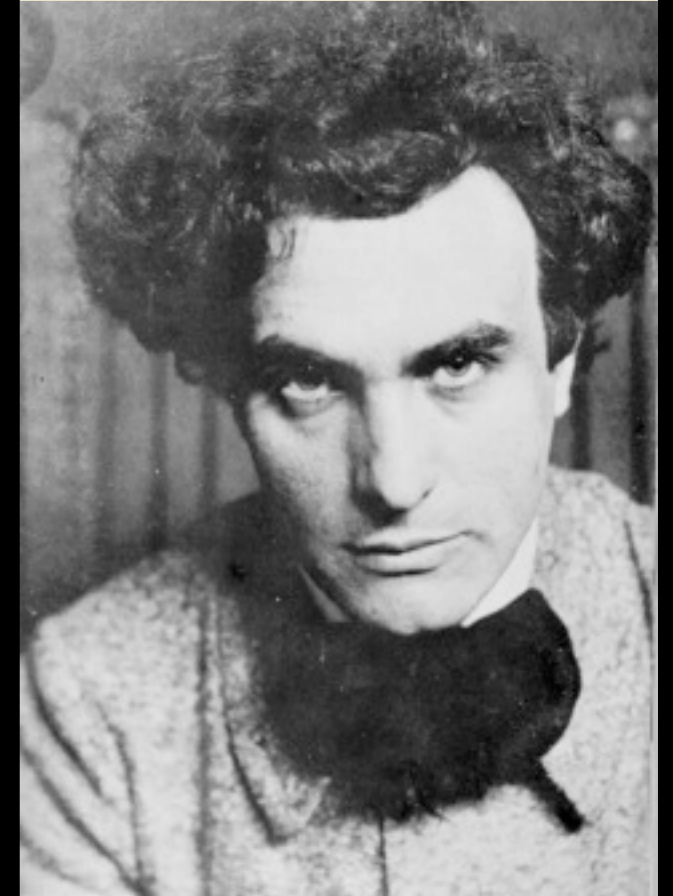
Cibernetici

ASTRAZIONI



AMERIQUE (1922)

Edgar Varese
(1883-1965) HU

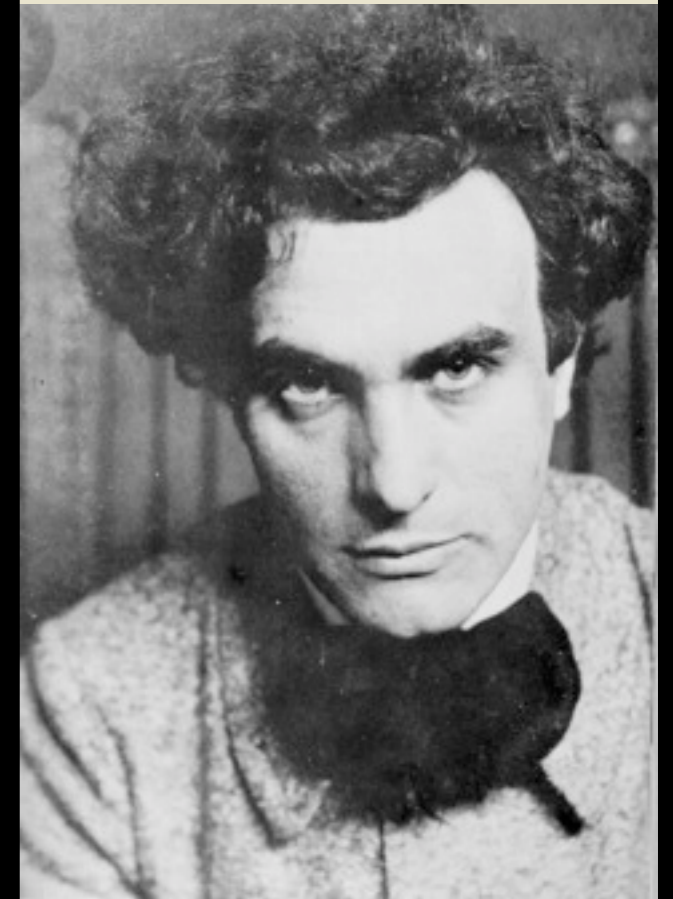


Cibernetici

ASTRAZIONI



Edgar Varese
(1883-1965) HU



Cibernetici

ASTRAZIONI

Nam June Paik
(1932-2006) KO















NAMAM

**GLOBAL
VISIONARY**

JUNE

PAIK

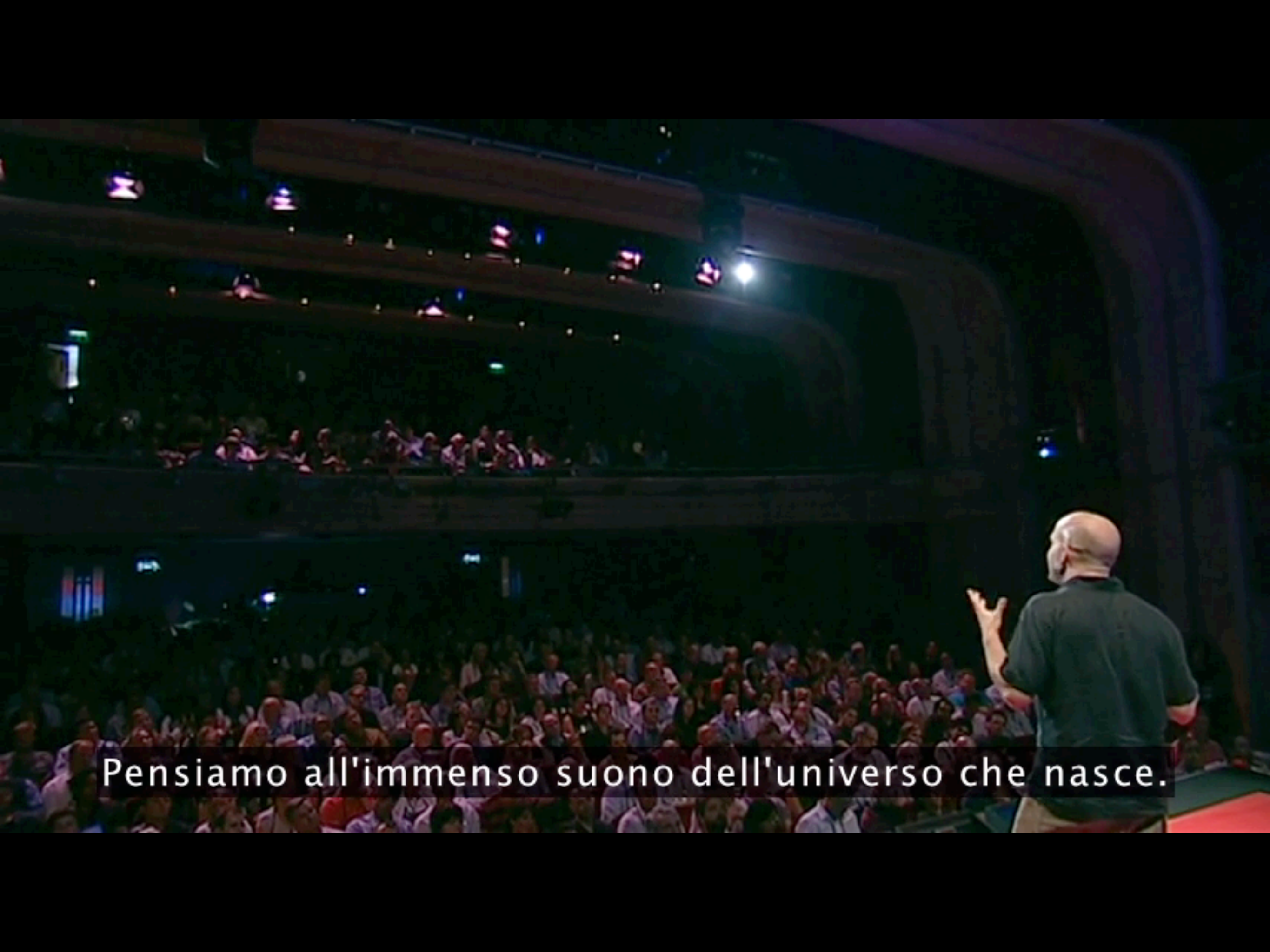




"Le Mouvement" Galerie Denise René, Paris, April 6 - 30, 1955



This Is Tomorrow, Whitechapel Art Gallery, Agosto 1956, Londra

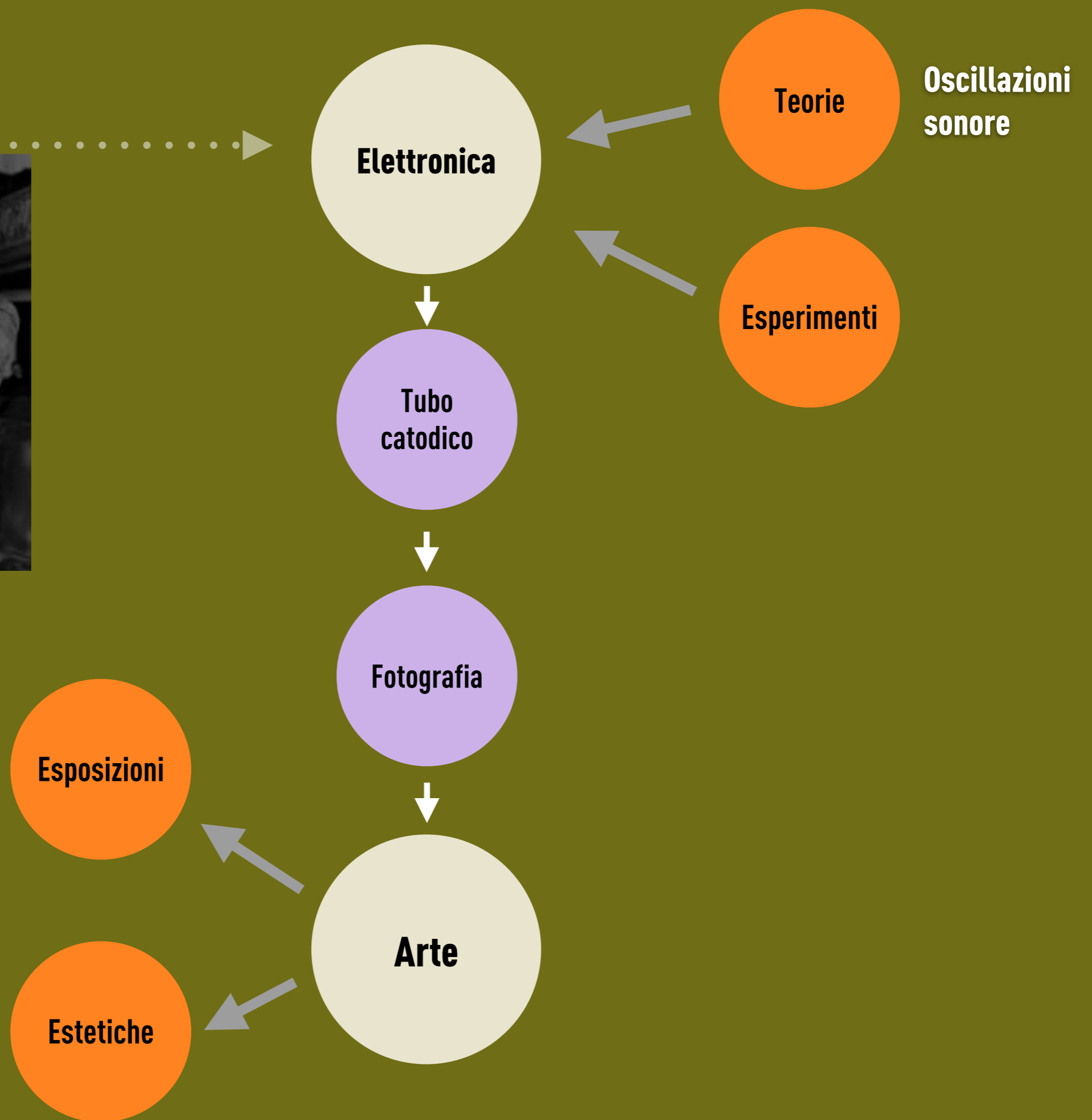
A photograph of a speaker on a stage addressing a large audience in a theater. The speaker is seen from the back, wearing a dark polo shirt and light-colored trousers, with his hands raised in a gesture. The audience is seated in a large, dark theater with multiple tiers of seating. The stage is lit with spotlights, and the overall atmosphere is that of a formal presentation or lecture.

Pensiamo all'immenso suono dell'universo che nasce.

Léon Teremin



Electronic Abstractions (1952)
Sanford Museum,
Cherokee, US

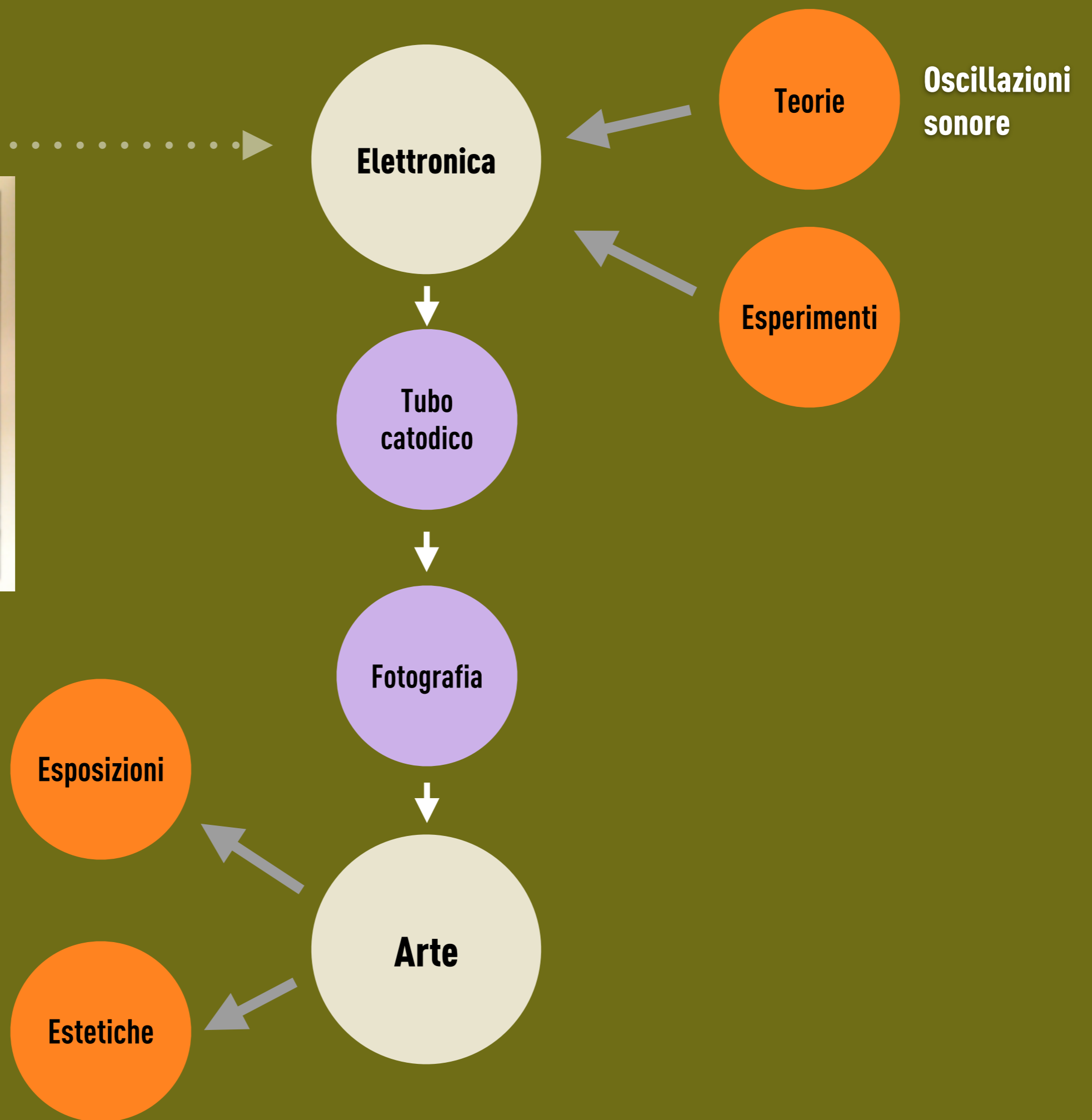


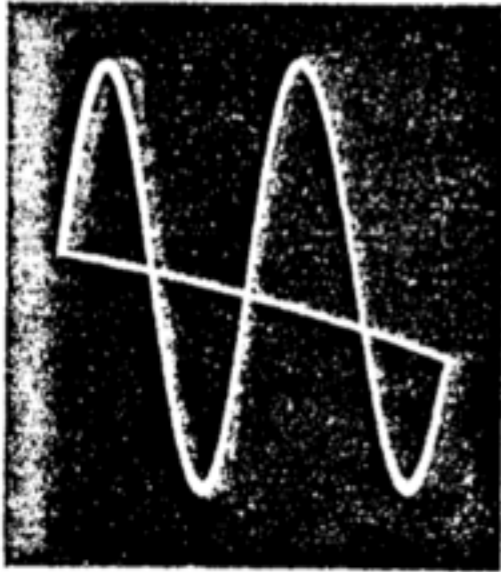


Ben Laposky



Electronic Abstractions (1952)
Sanford Museum,
Cherokee, US





Sine-wave



Sawtooth

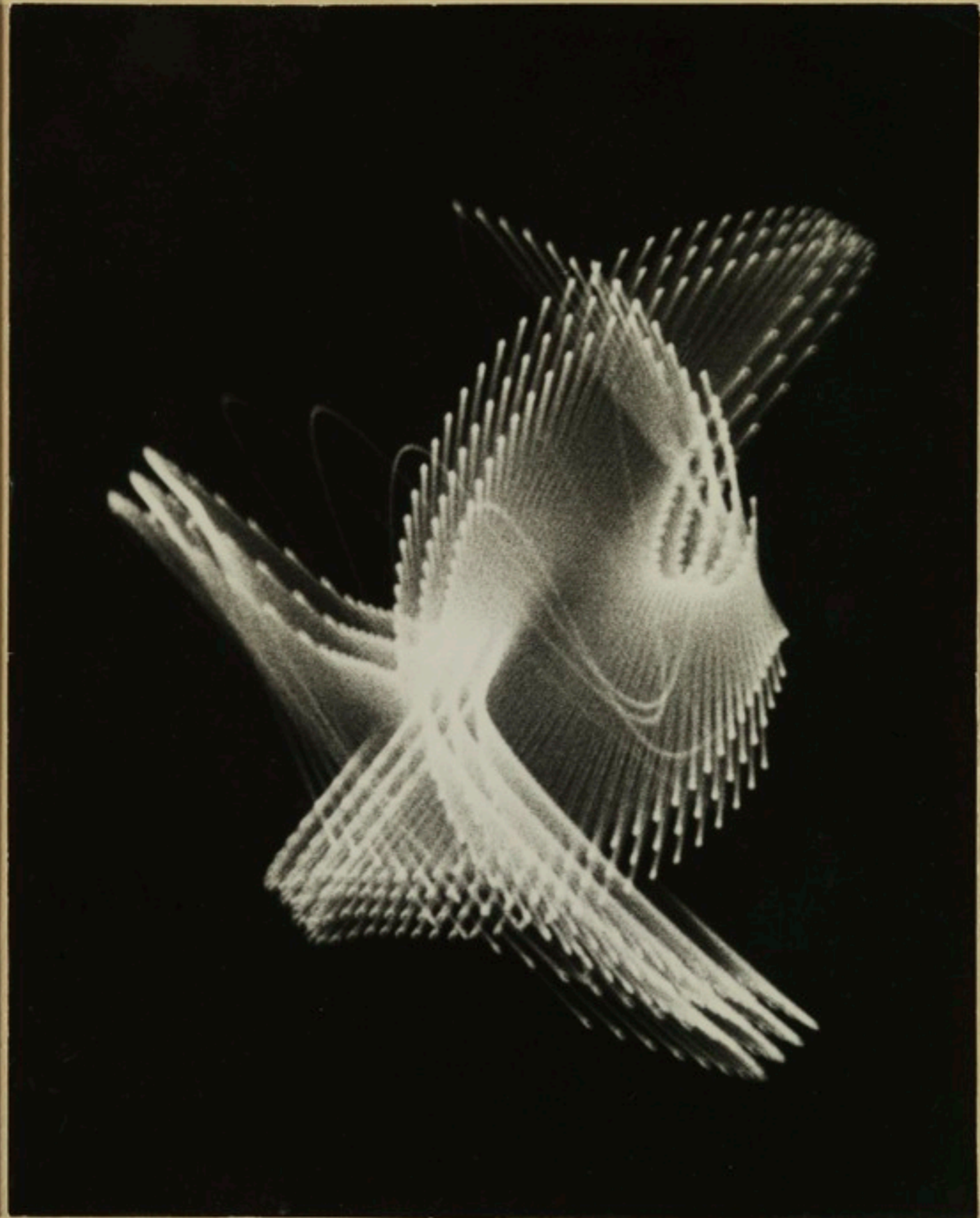


Square Wave



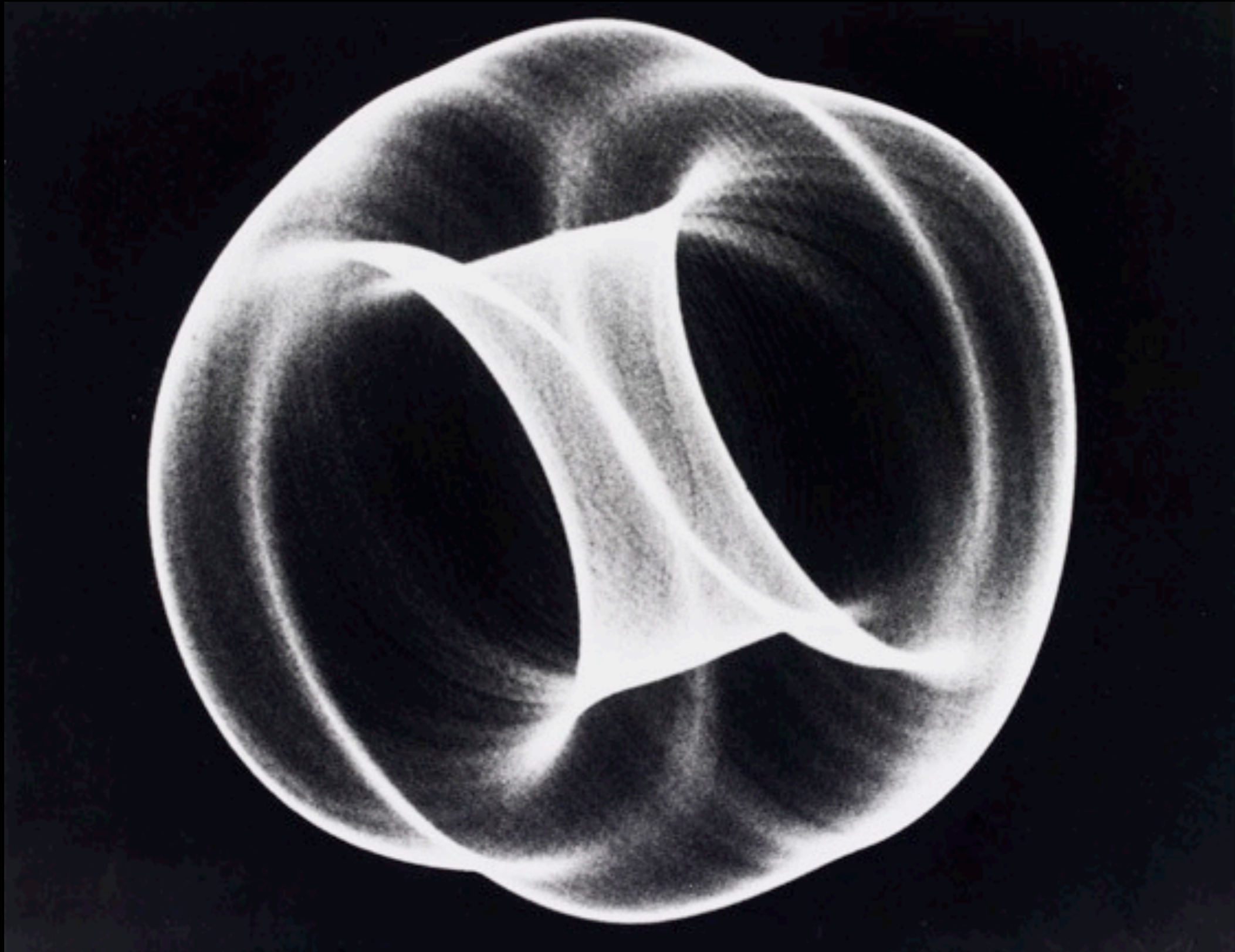
Lissajous Figure

Traces shown in introductory panels of exhibit



Electronic Abstraction 4

by Ben F. Laposky



Ben Laposky, 'Oscillon 40', USA, 1952



Ben Laposky, 'Oscillon 520', USA, 1960

John Whitney



Vertigo (1958)

Esposizioni

Estetiche

Elettronica

Director Gun

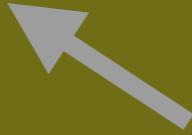
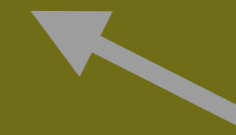
Cinema

Arte

Teorie

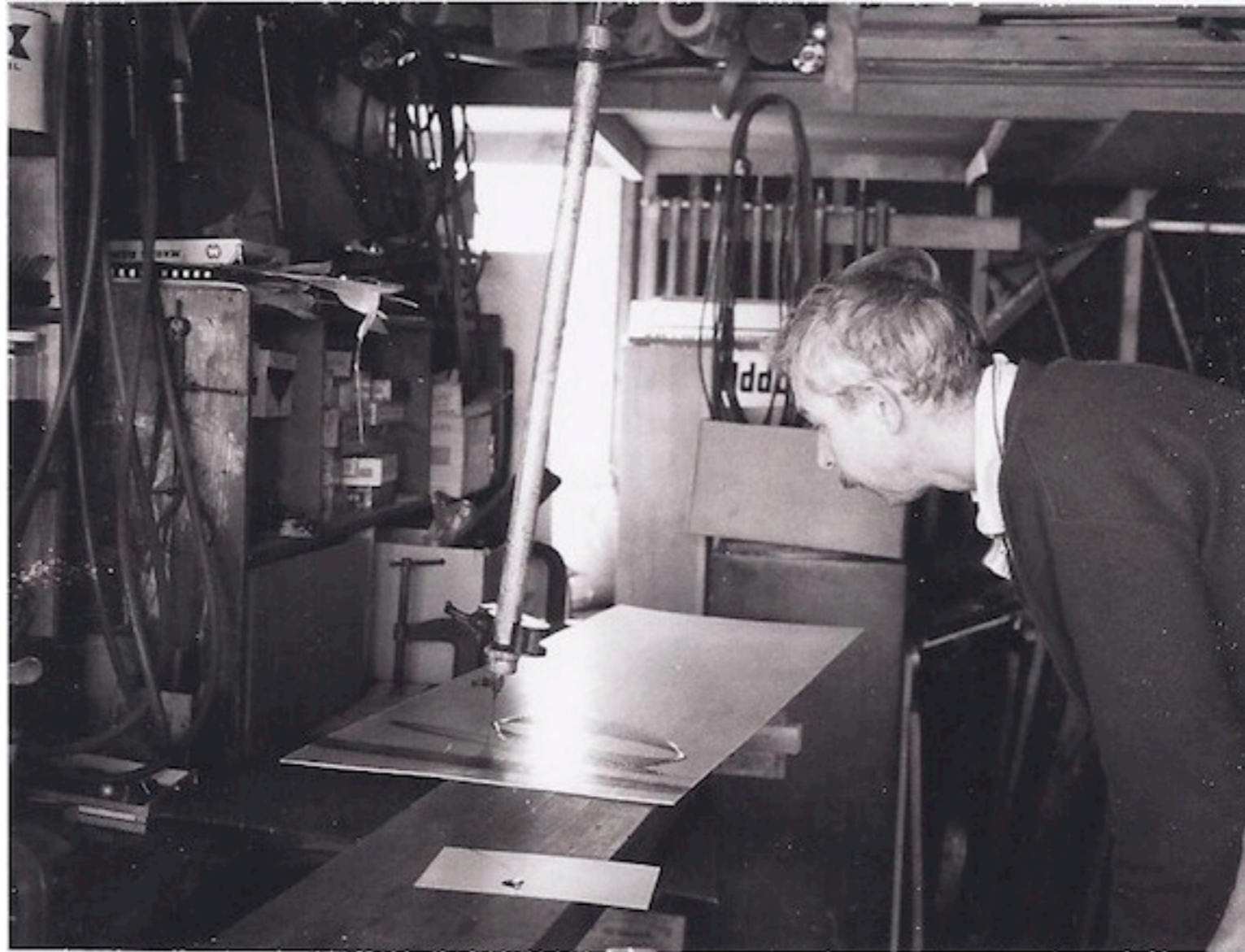
Esperimenti

Oscillazioni armoniche









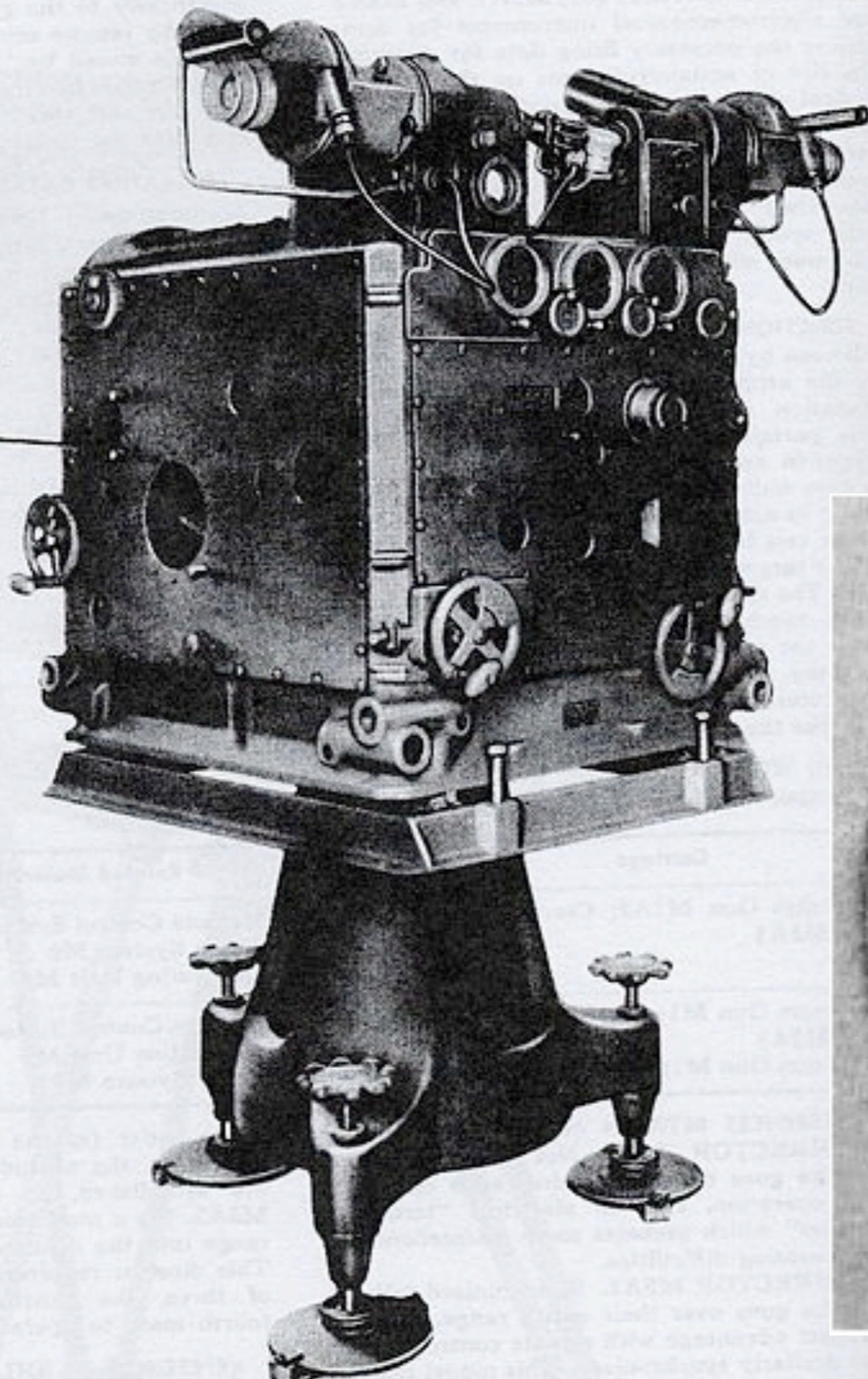
John Whitney drawing a Lissajous spiral, 1963.

DIRECTOR, A.A., M7*, M7A1B1**, M7A1B2*

(**standard, *substitute standard)

DIRECTOR M7 OR
M7A1B1

LEFT SIDE





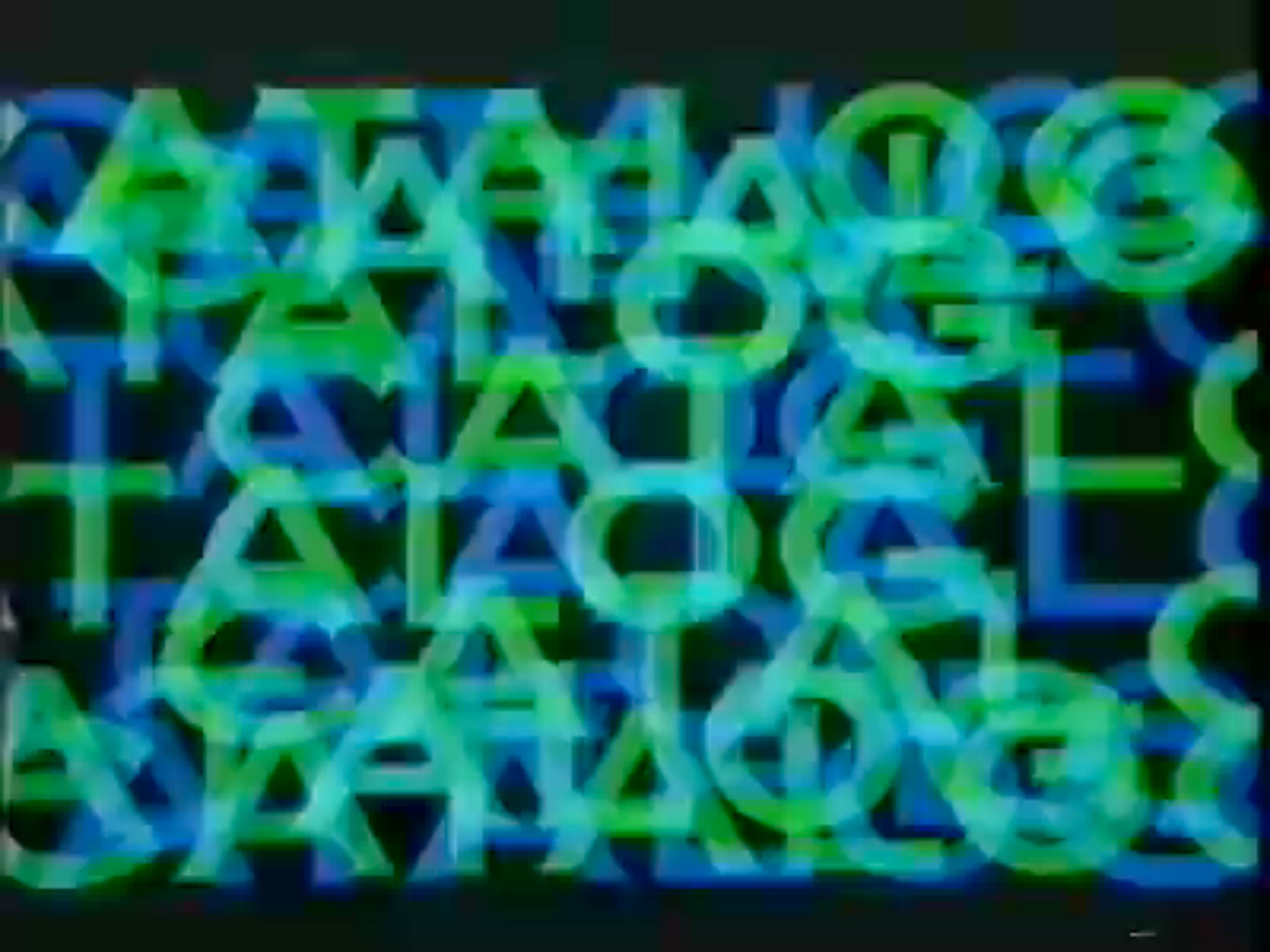
JAMES STEWART
KIM NOVAK
IN ALFRED HITCHCOCK'S
MASTERPIECE

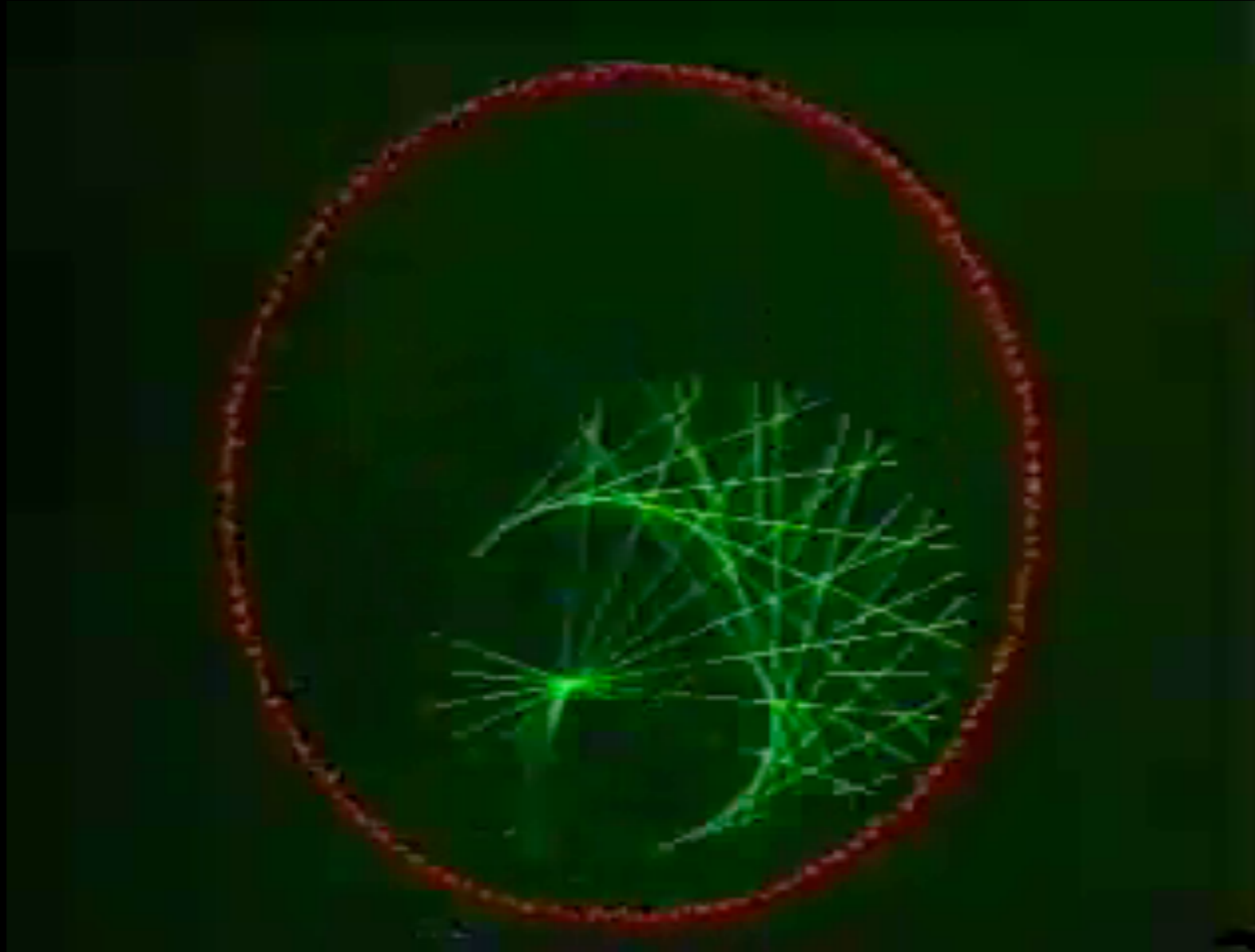
'VERTIGO'

1958



VERTIGO





John Whitney, Permutations, 1966

Arabesque (1975)

Visuals

John Whitney

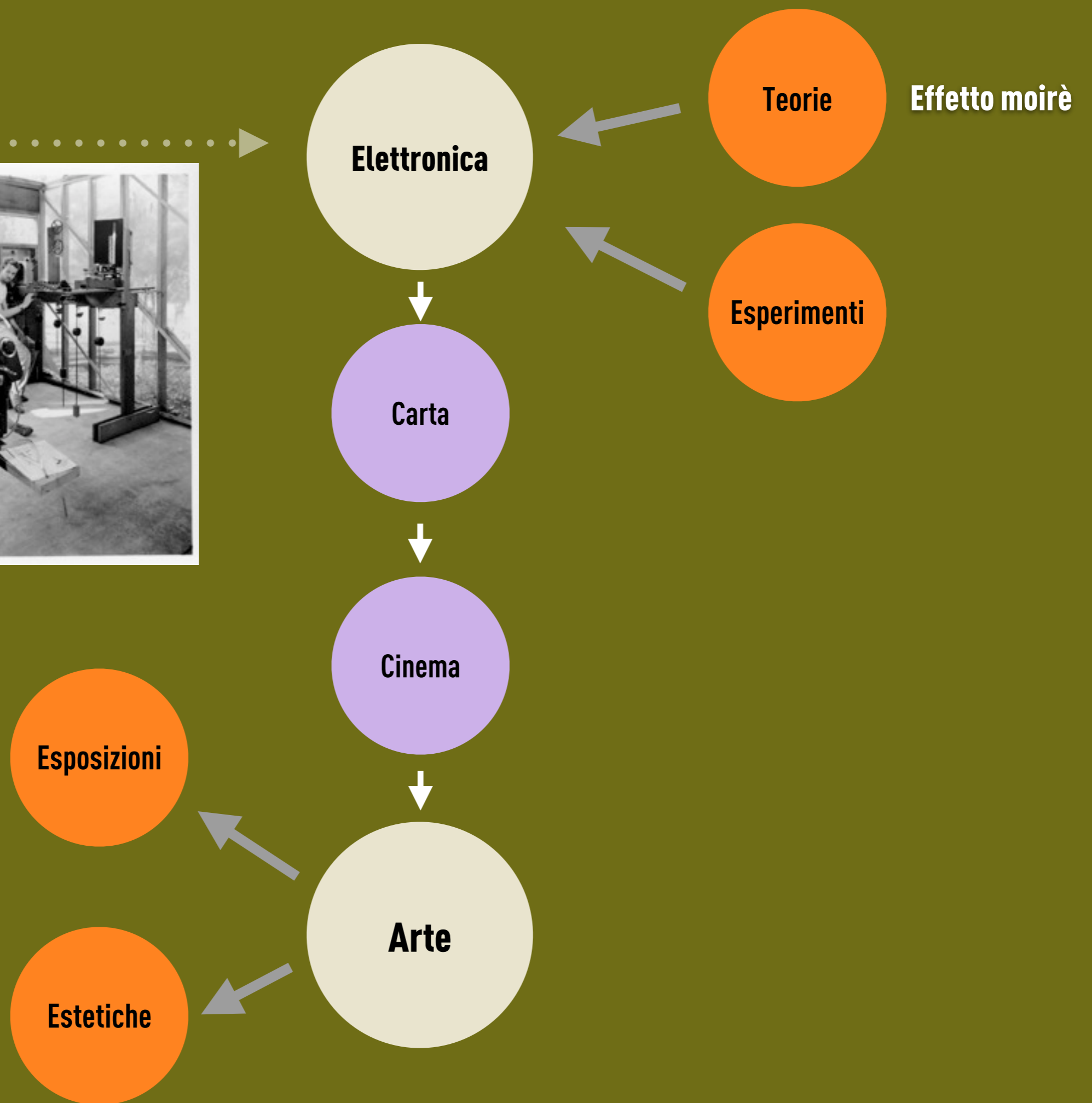
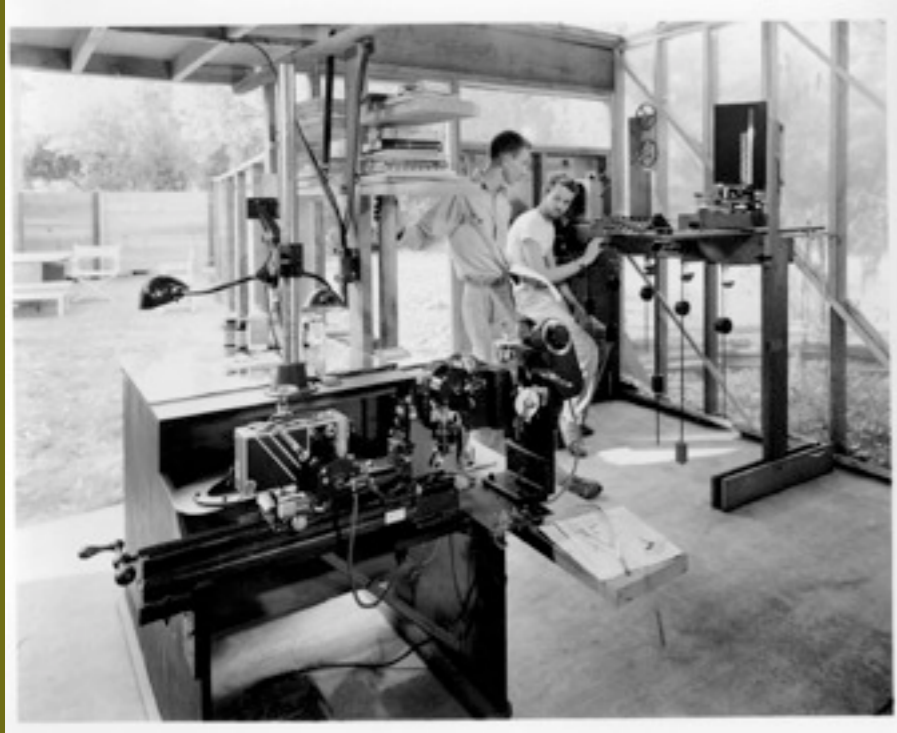
Music

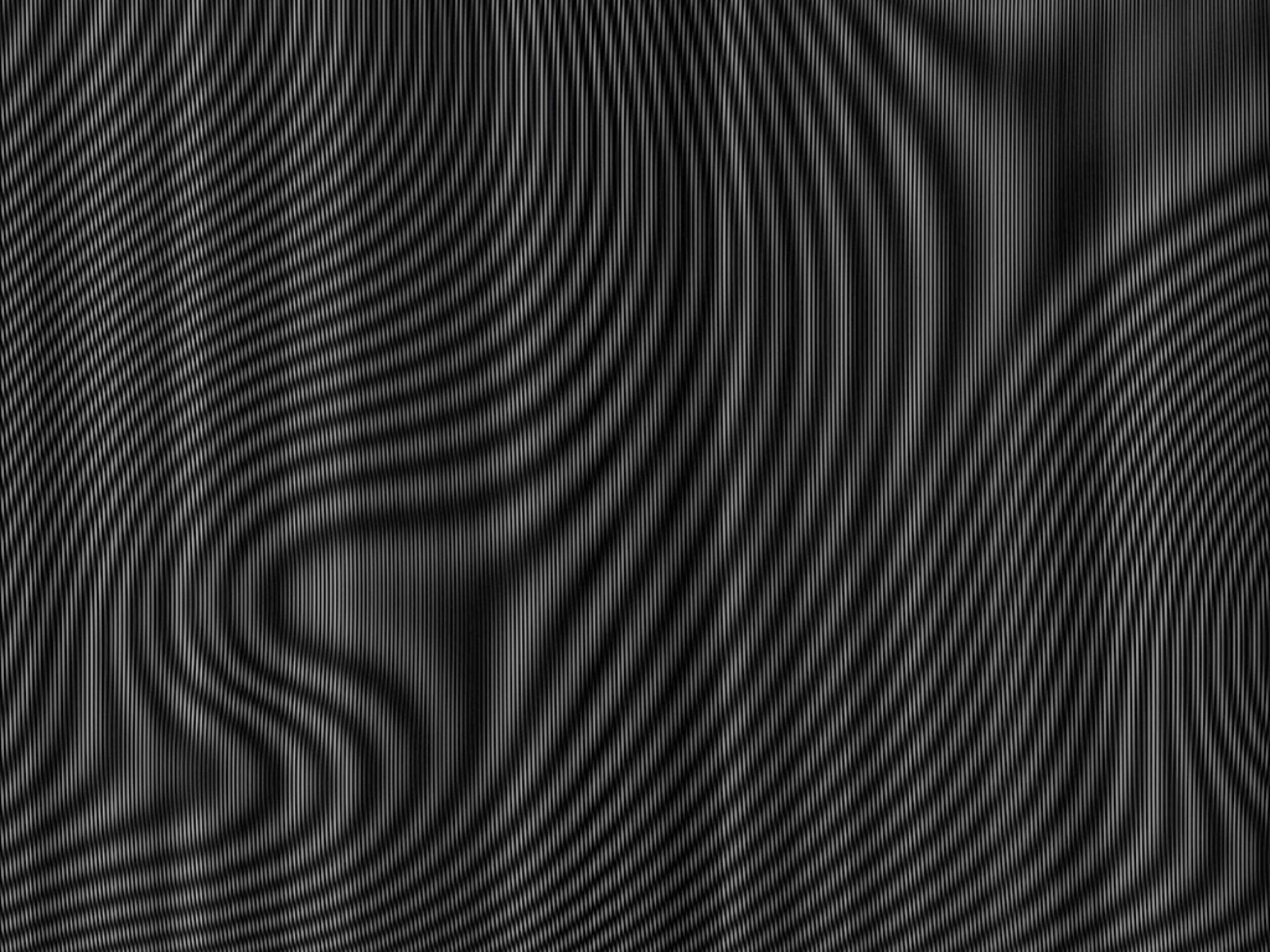
Manoochehr Sadeghi

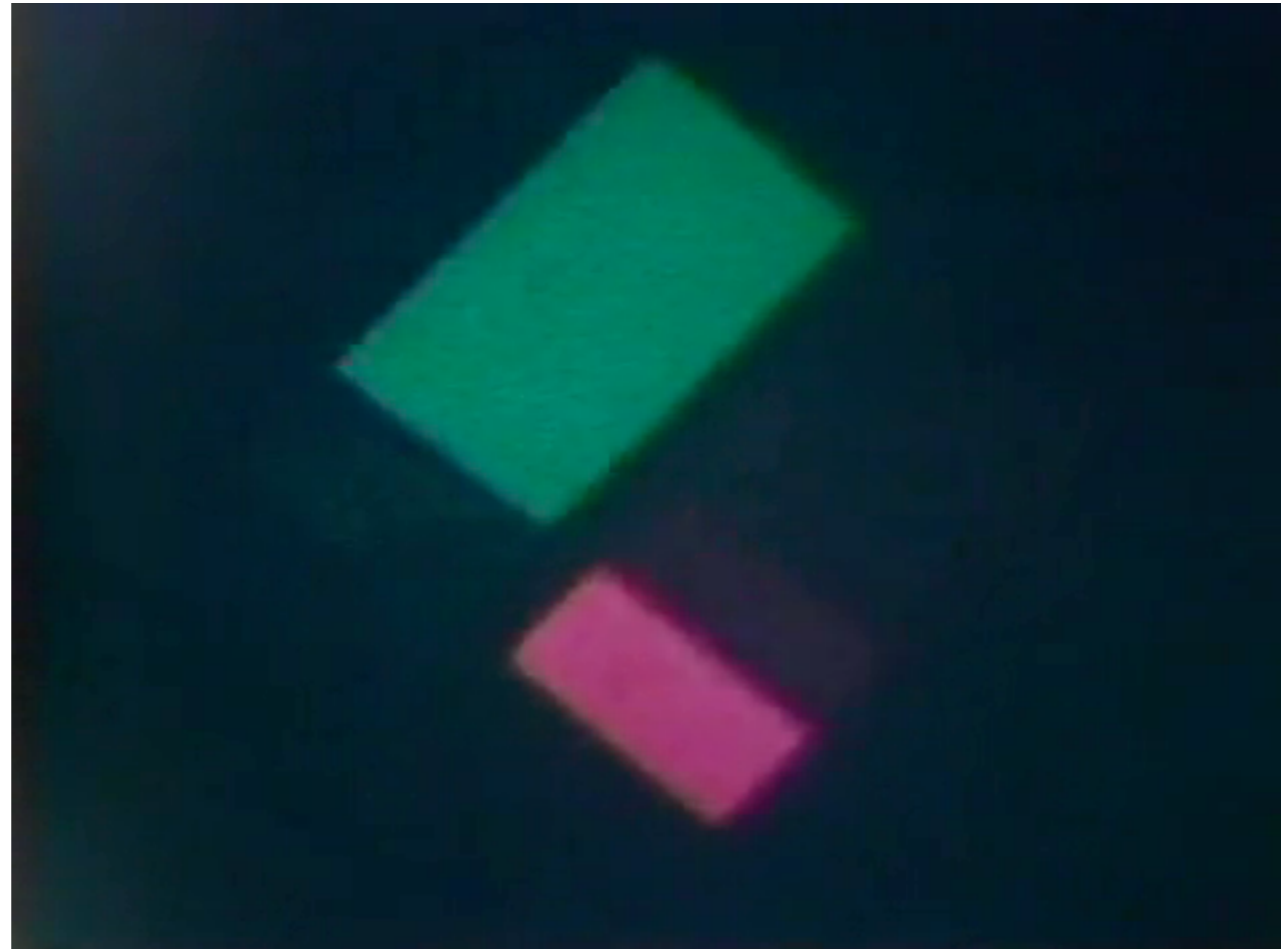


John Whitney, Digital Harmony, 1980

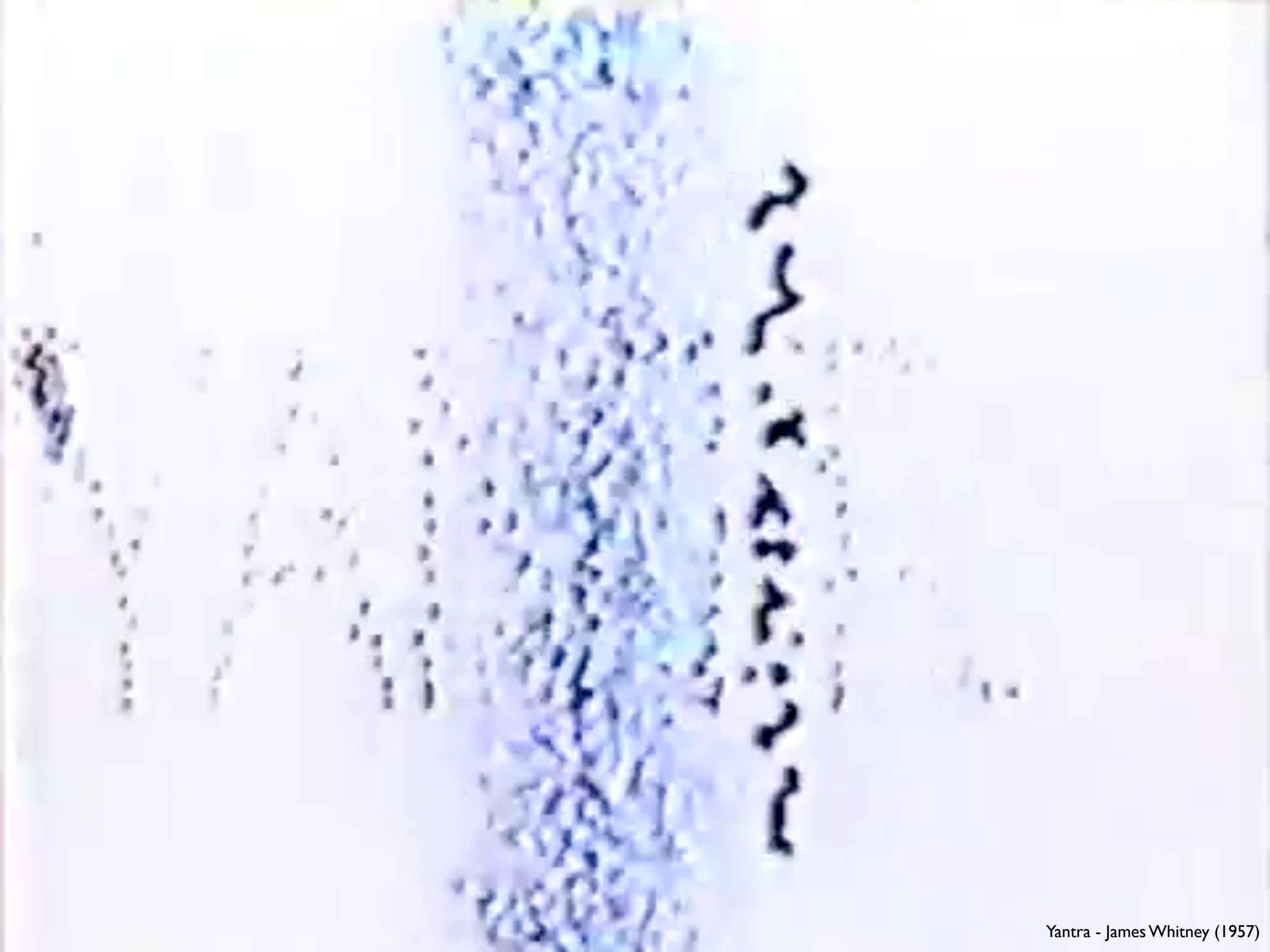
James Whitney



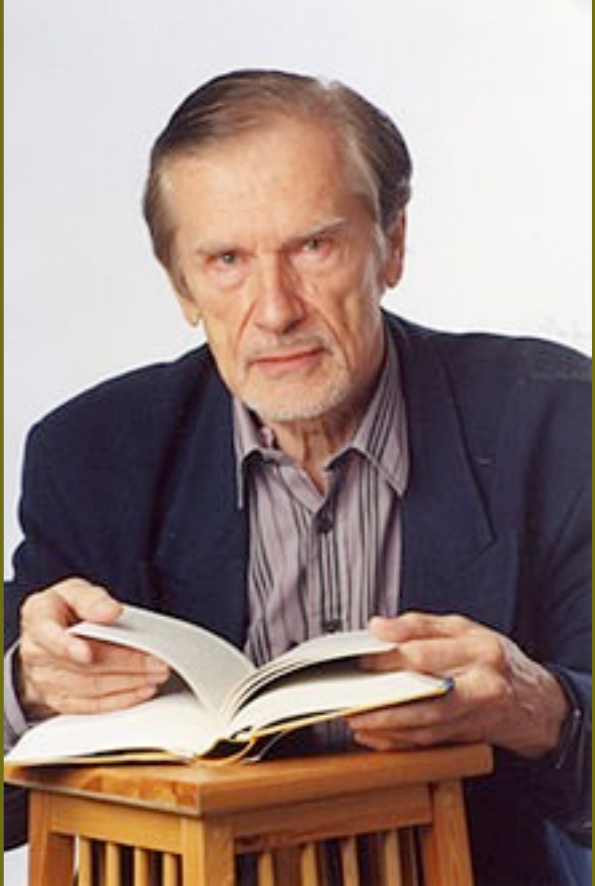
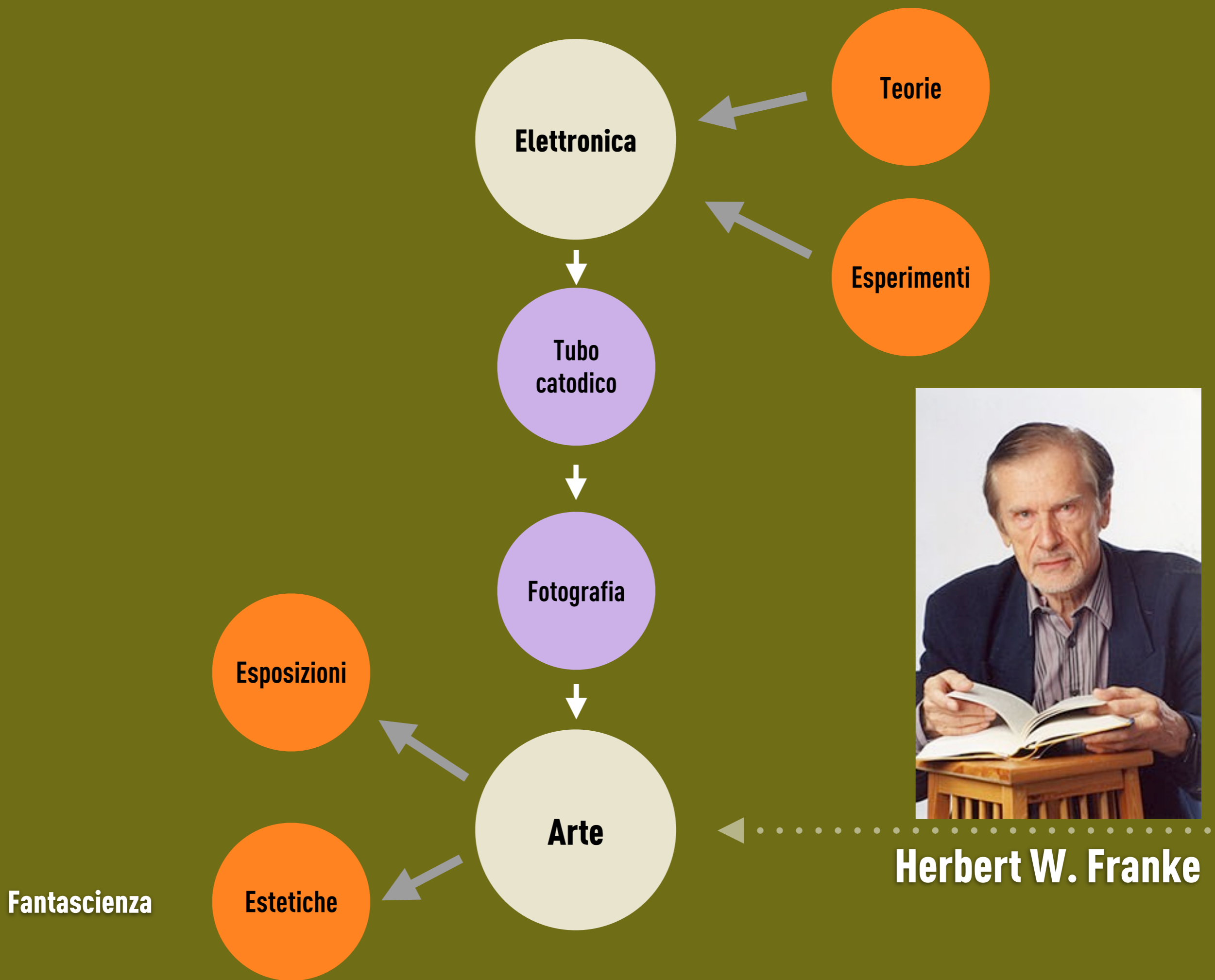




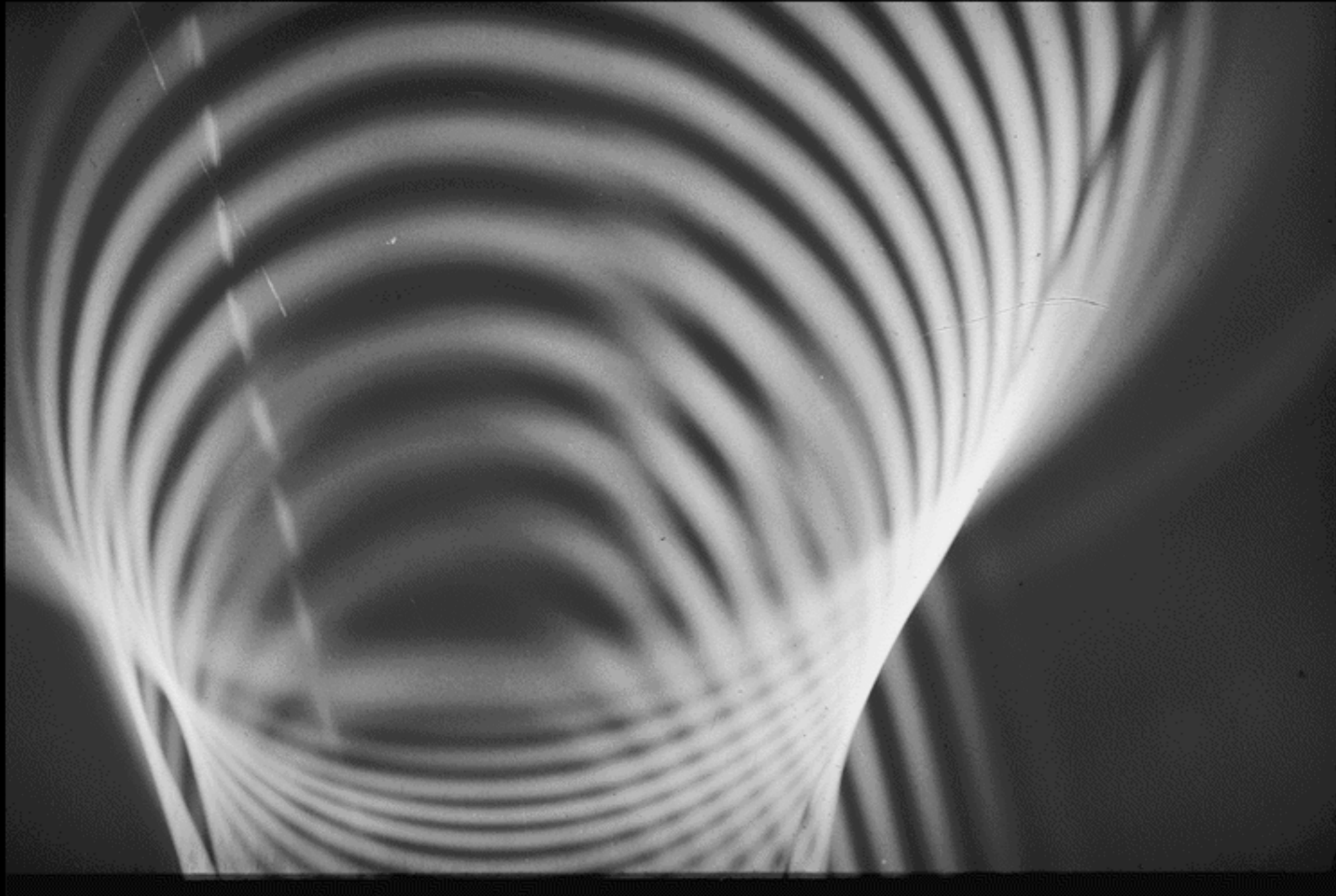
James Whitney, Variations on a Circle (1941–1942)



ॐ नमो भगवते वासुदेवाय



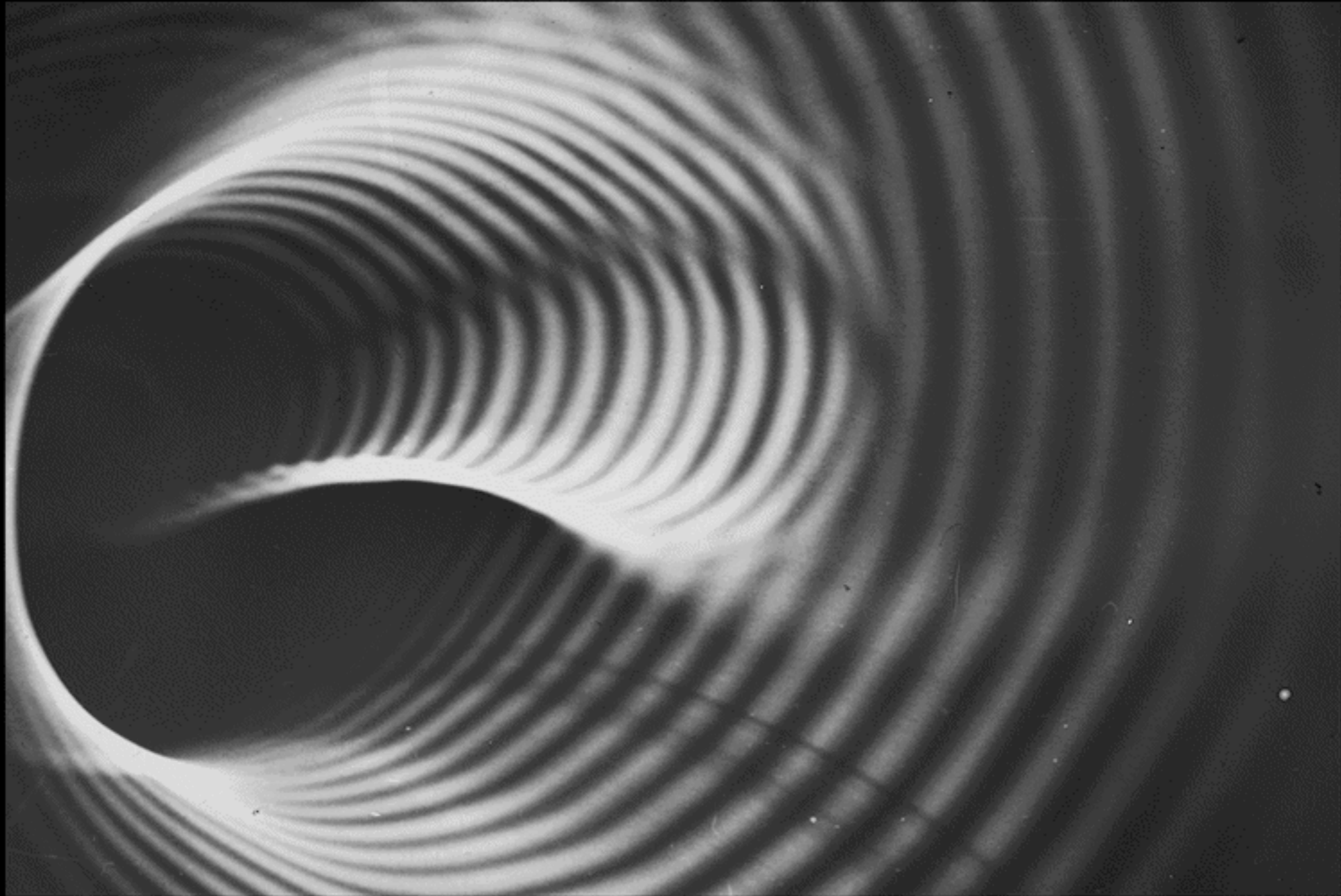
Herbert W. Franke



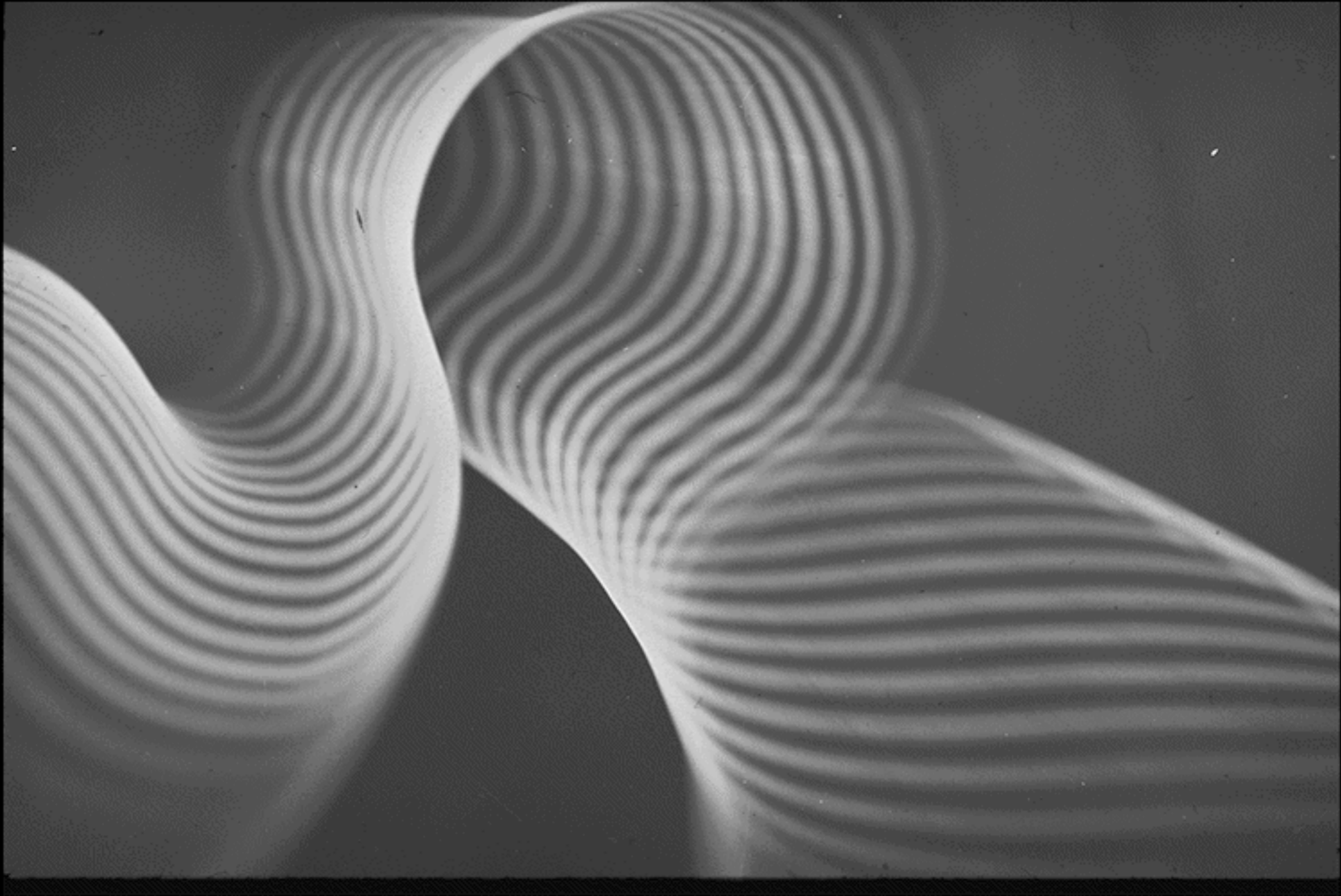
Herbert W. Franke, Lichtformen (con Andreas Hübner) - 1953-1955



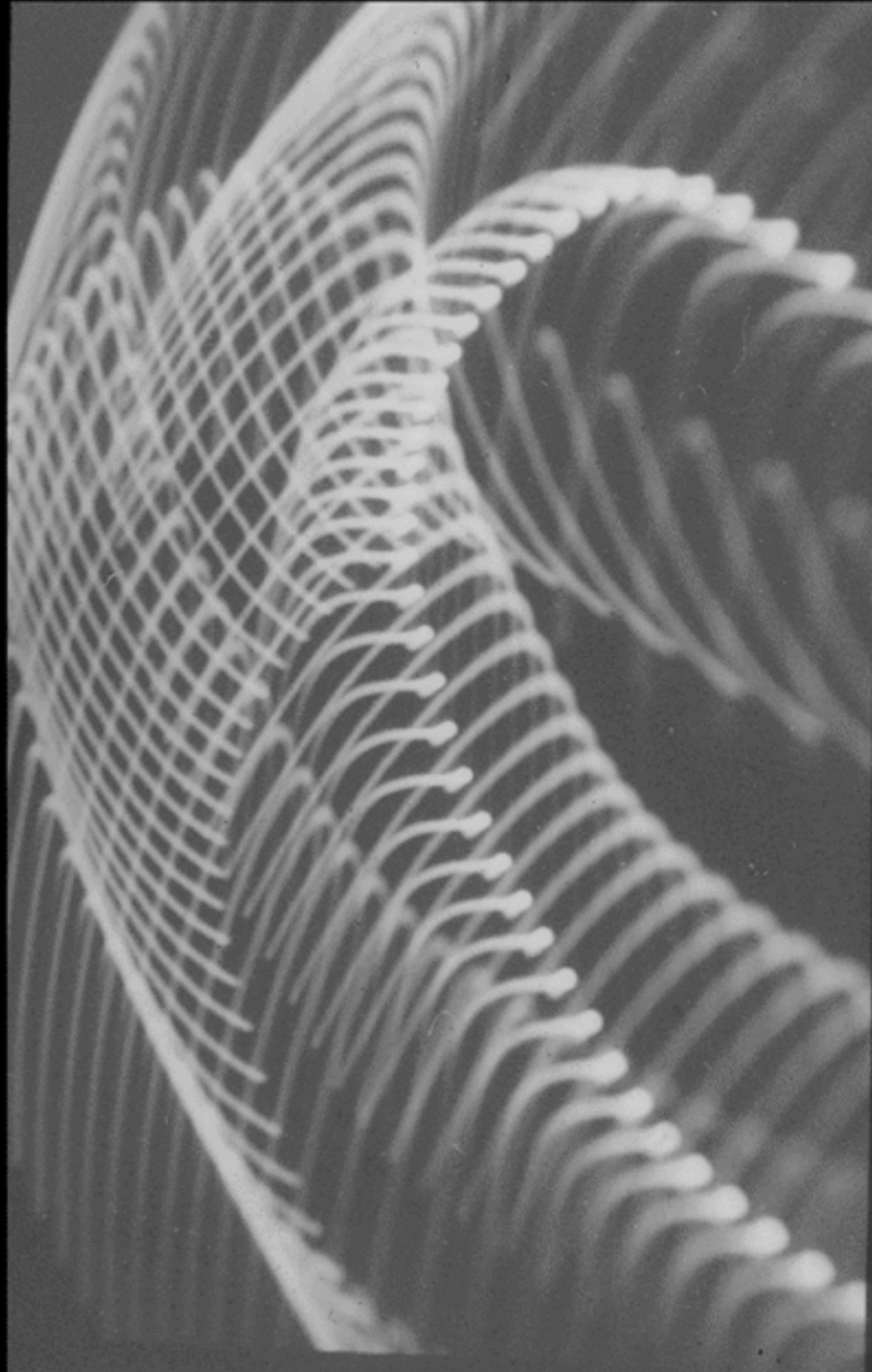
Herbert W. Franke, Lichtformen (con Andreas Hübner) - 1953-1955



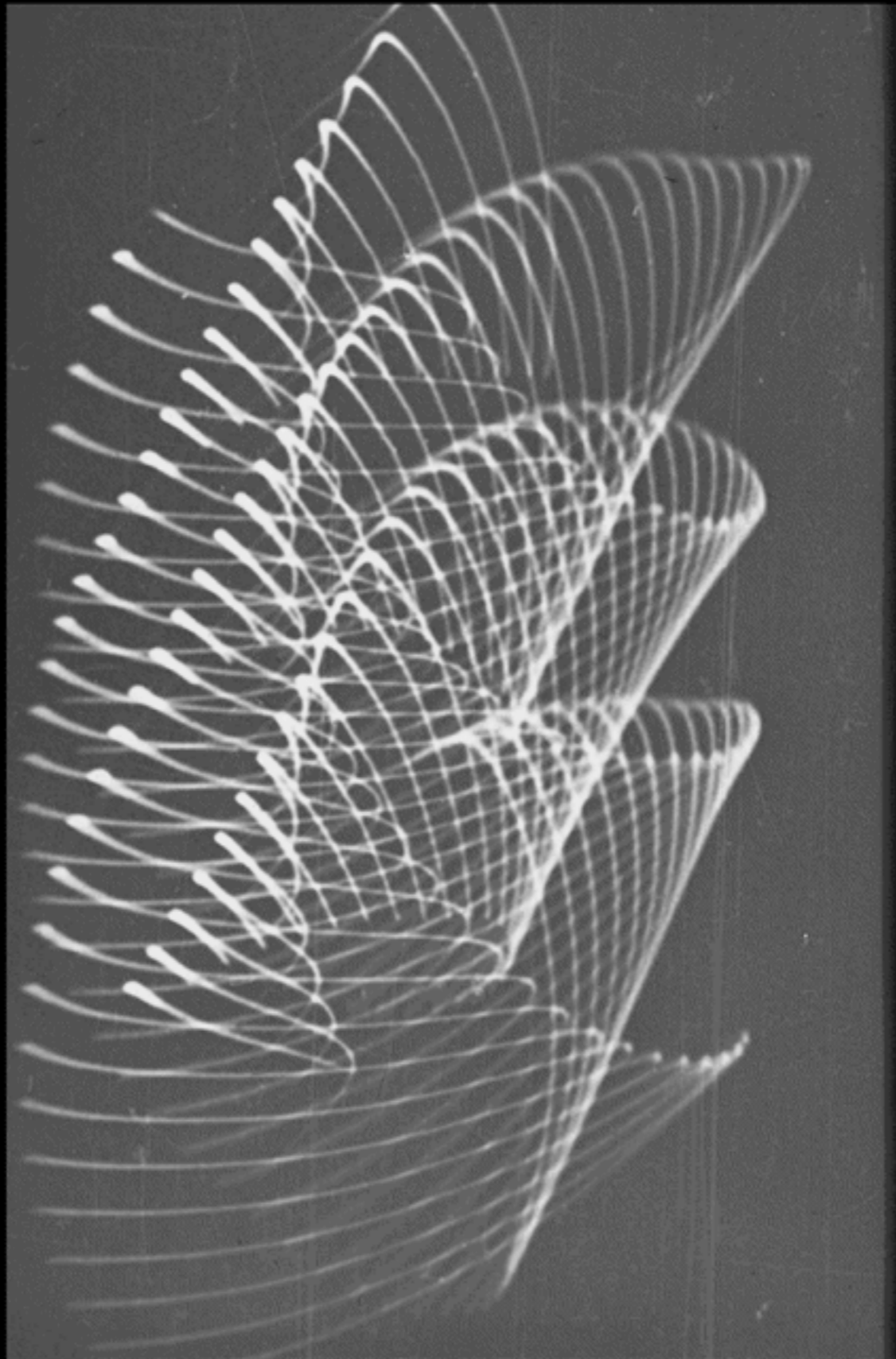
Herbert W. Franke, Lichtformen (con Andreas Hübner) - 1953-1955



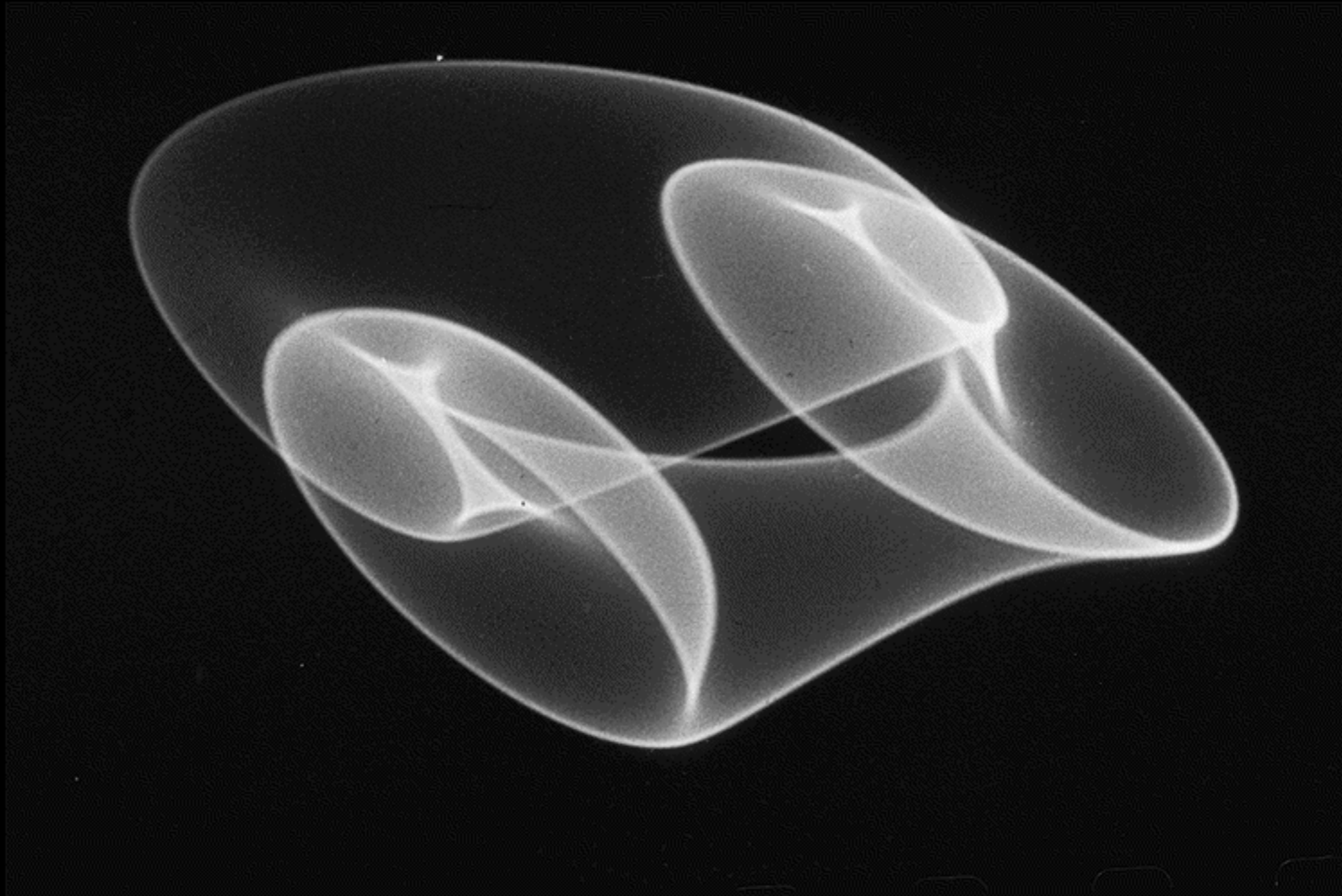
Herbert W. Franke, Lichtformen (con Andreas Hübner) - 1953-1955



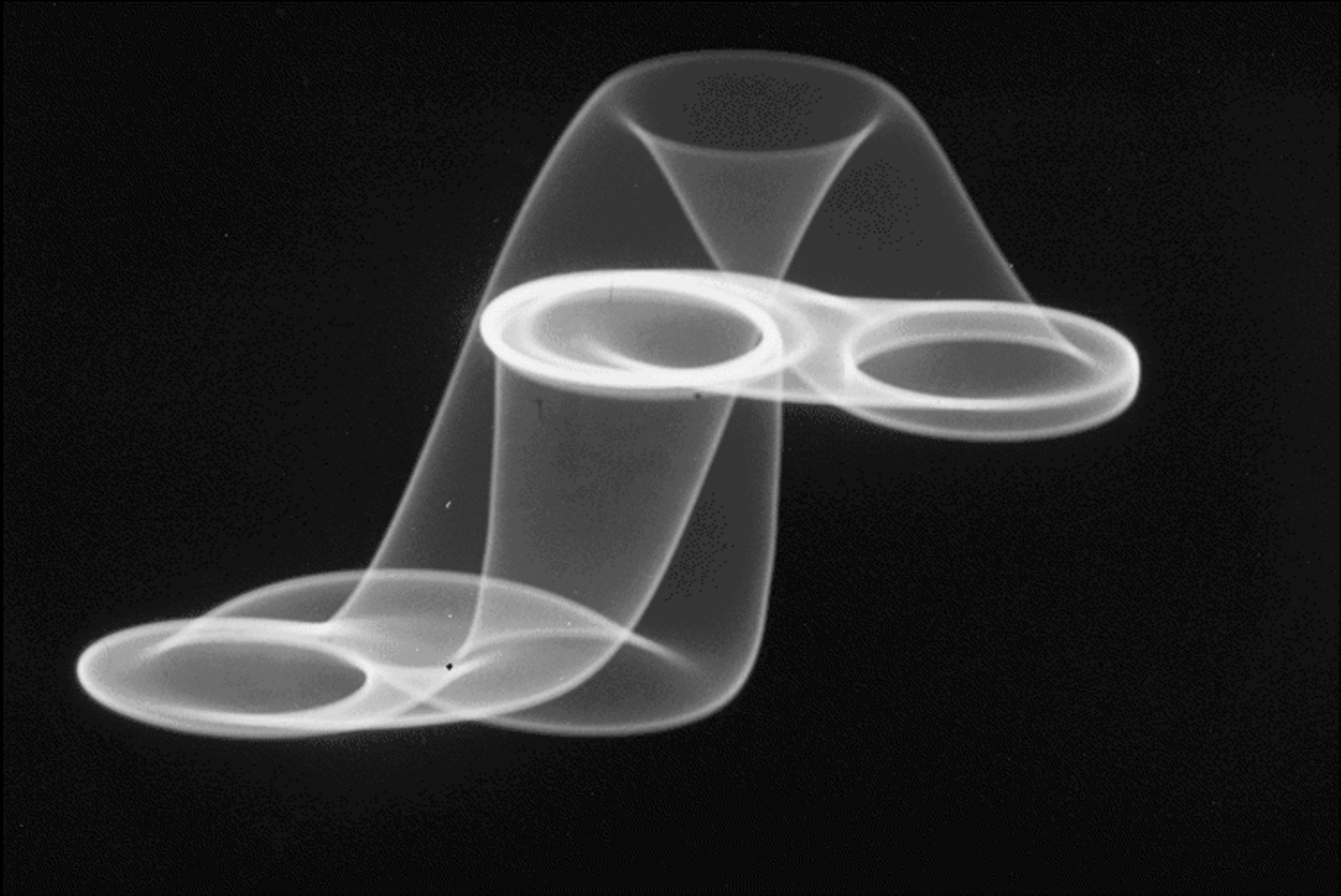
Herbert W. Franke, Oszillogramme, 1956



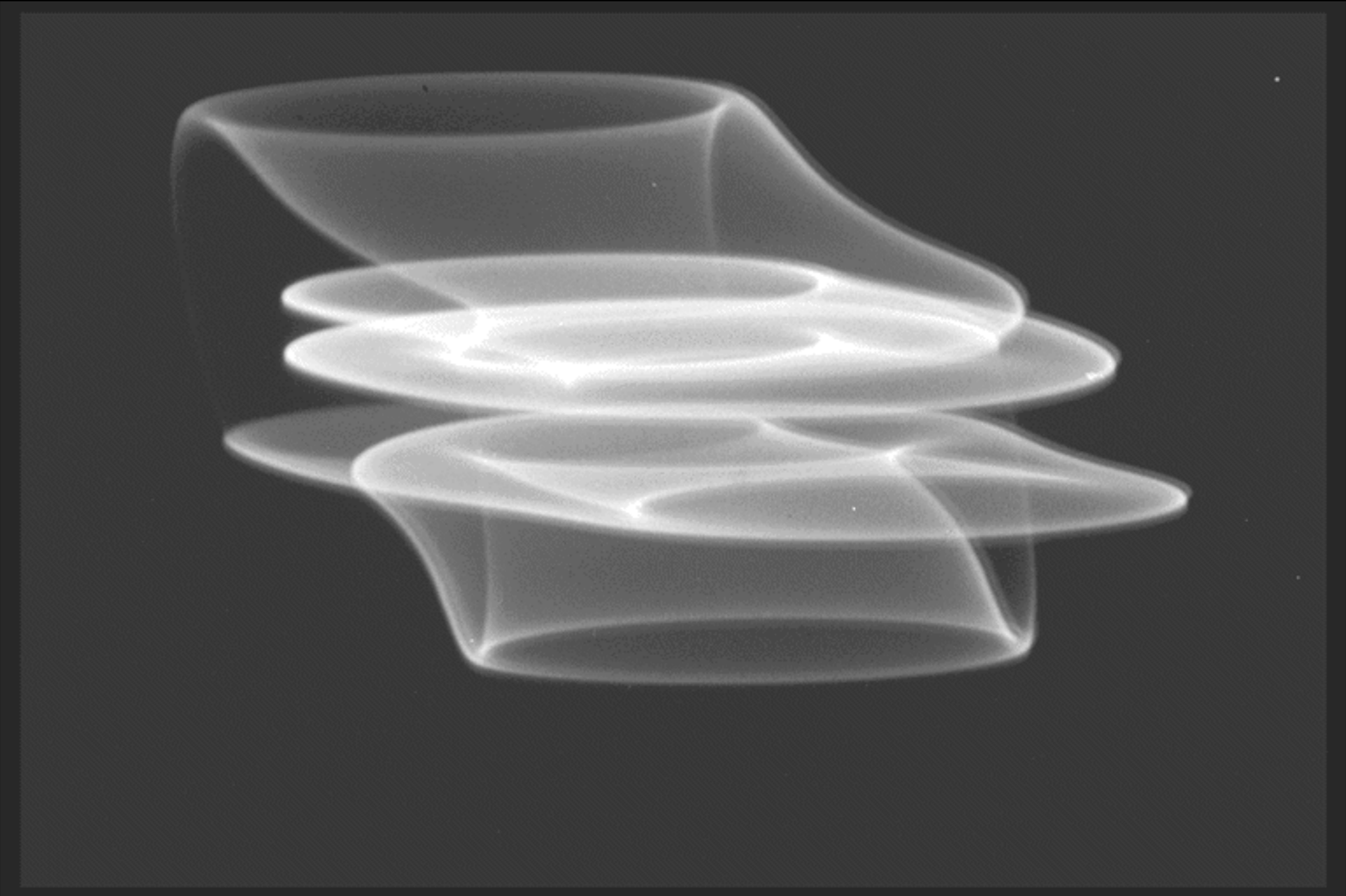
Herbert W. Franke, Oszillogramme, 1956



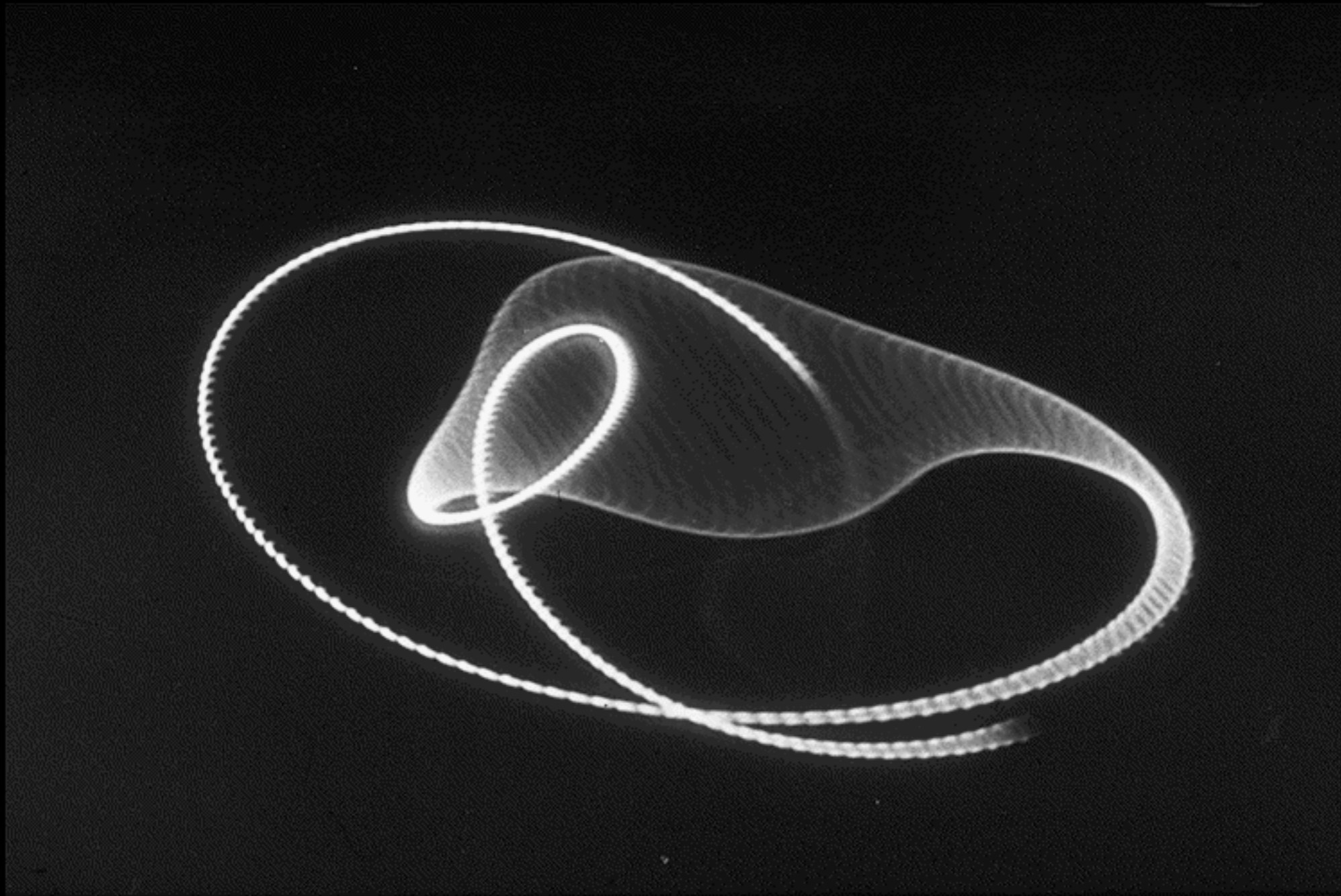
Herbert W. Franke, Elektronische Grafiken - 1961/62



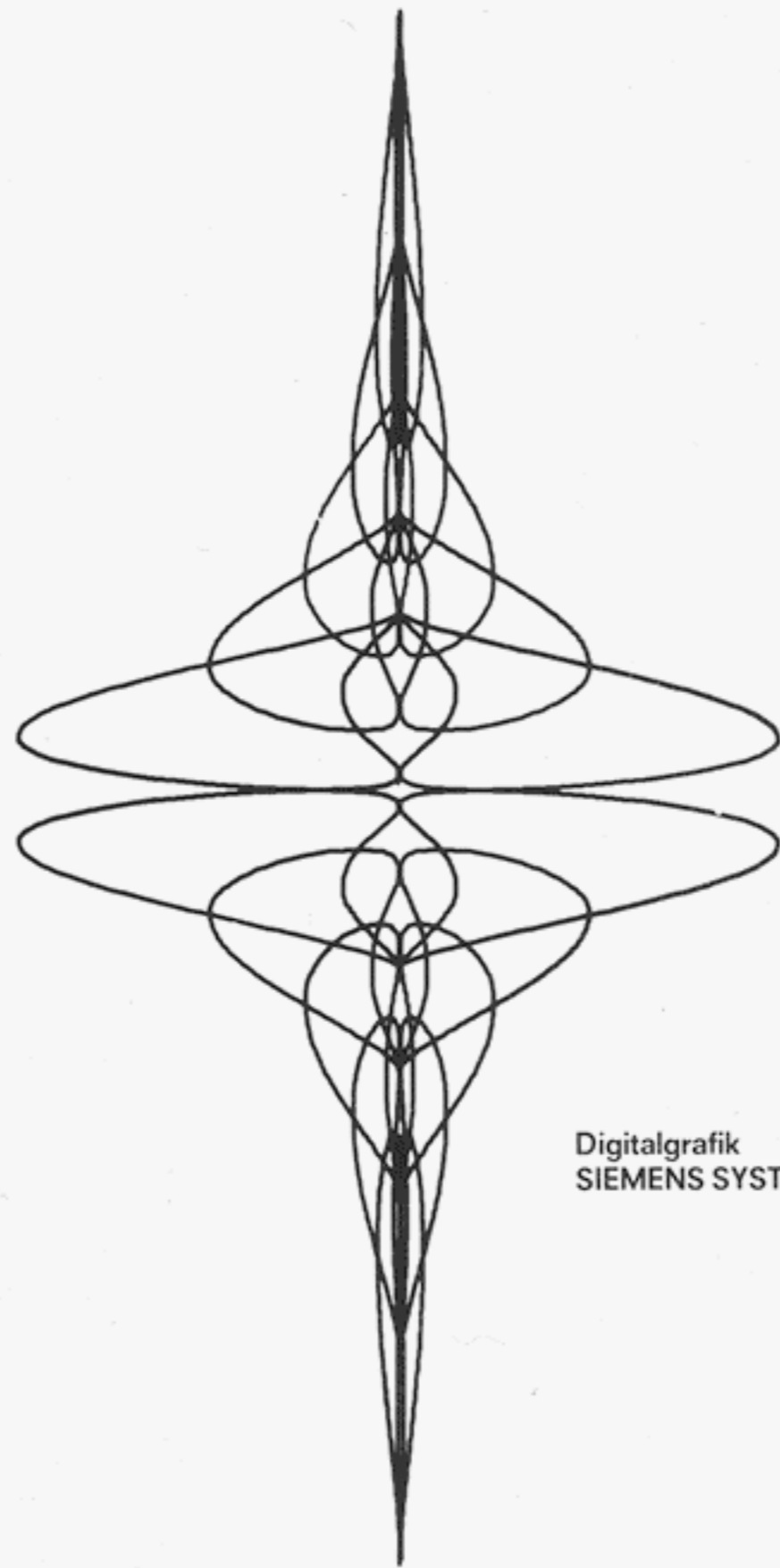
Herbert W. Franke, Elektronische Grafiken - 1961/62



Herbert W. Franke, Elektronische Grafiken - 1961/62



Herbert W. Franke, Elektronische Grafiken - 1961/62

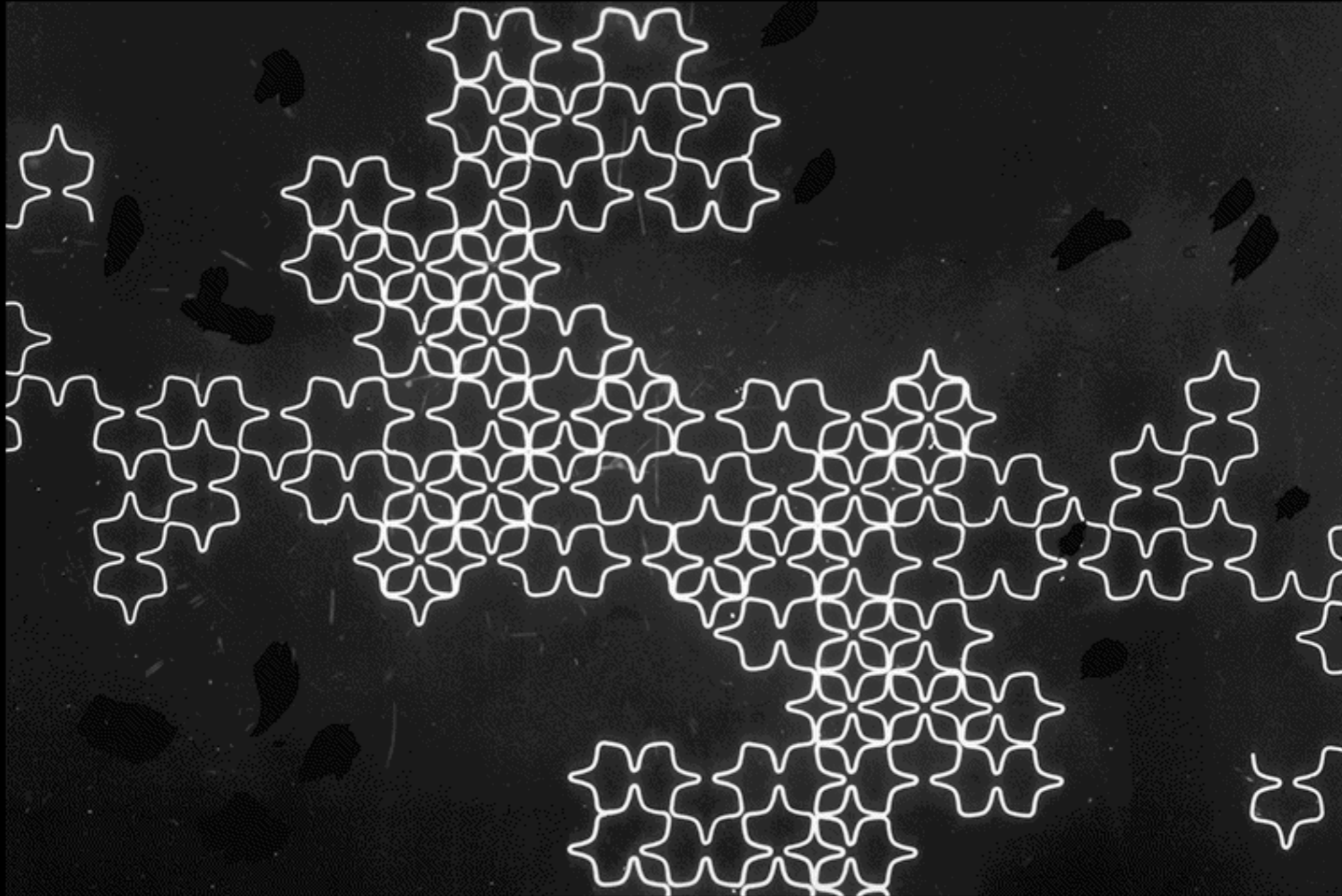


Digitalgrafik
SIEMENS SYSTEM 4004

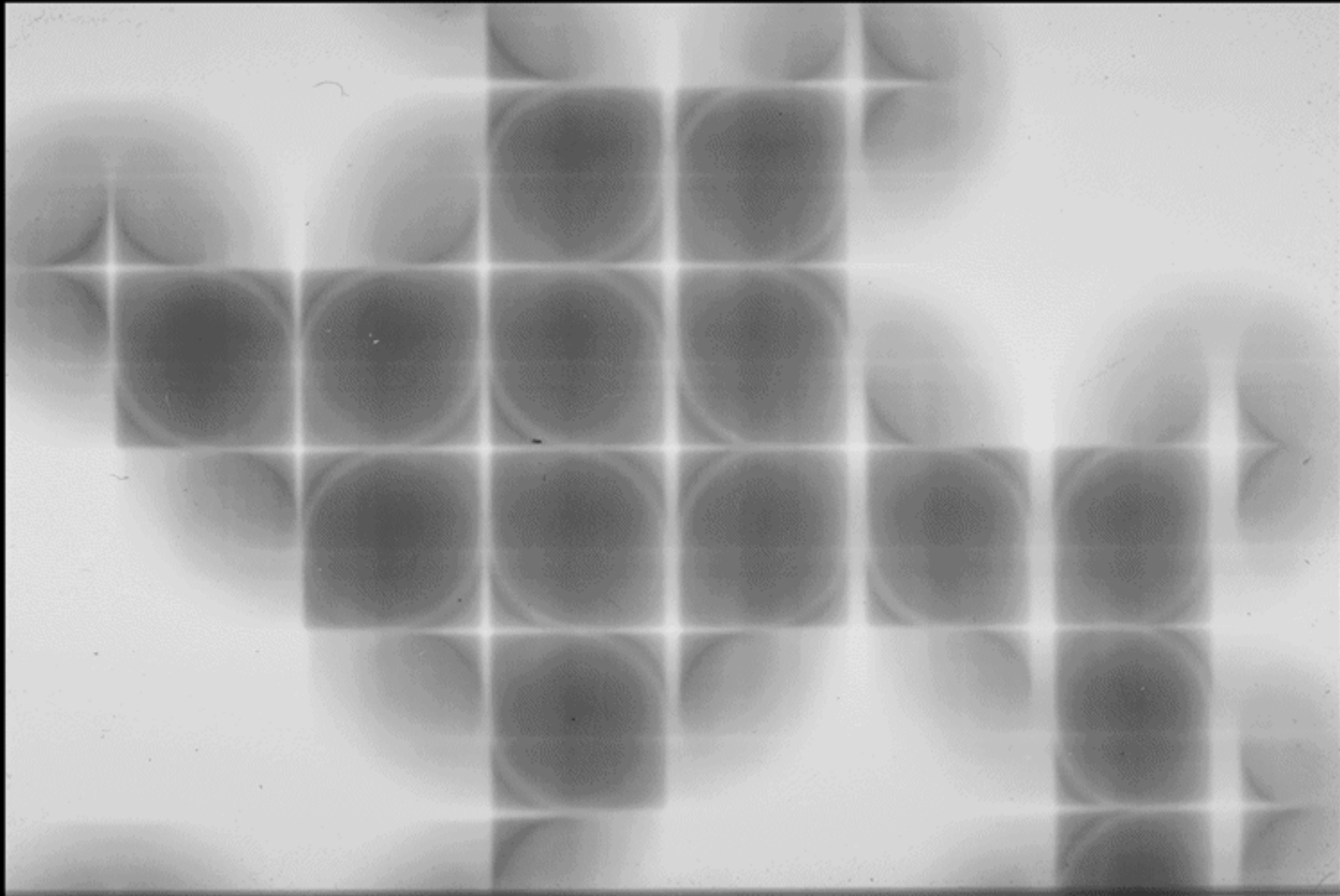
Herbert W. Franke, Serie KAES (Kurven, aesth.), con Peter Henne - 1969

Digitalgrafik
SIEMENS SYSTEM 4004

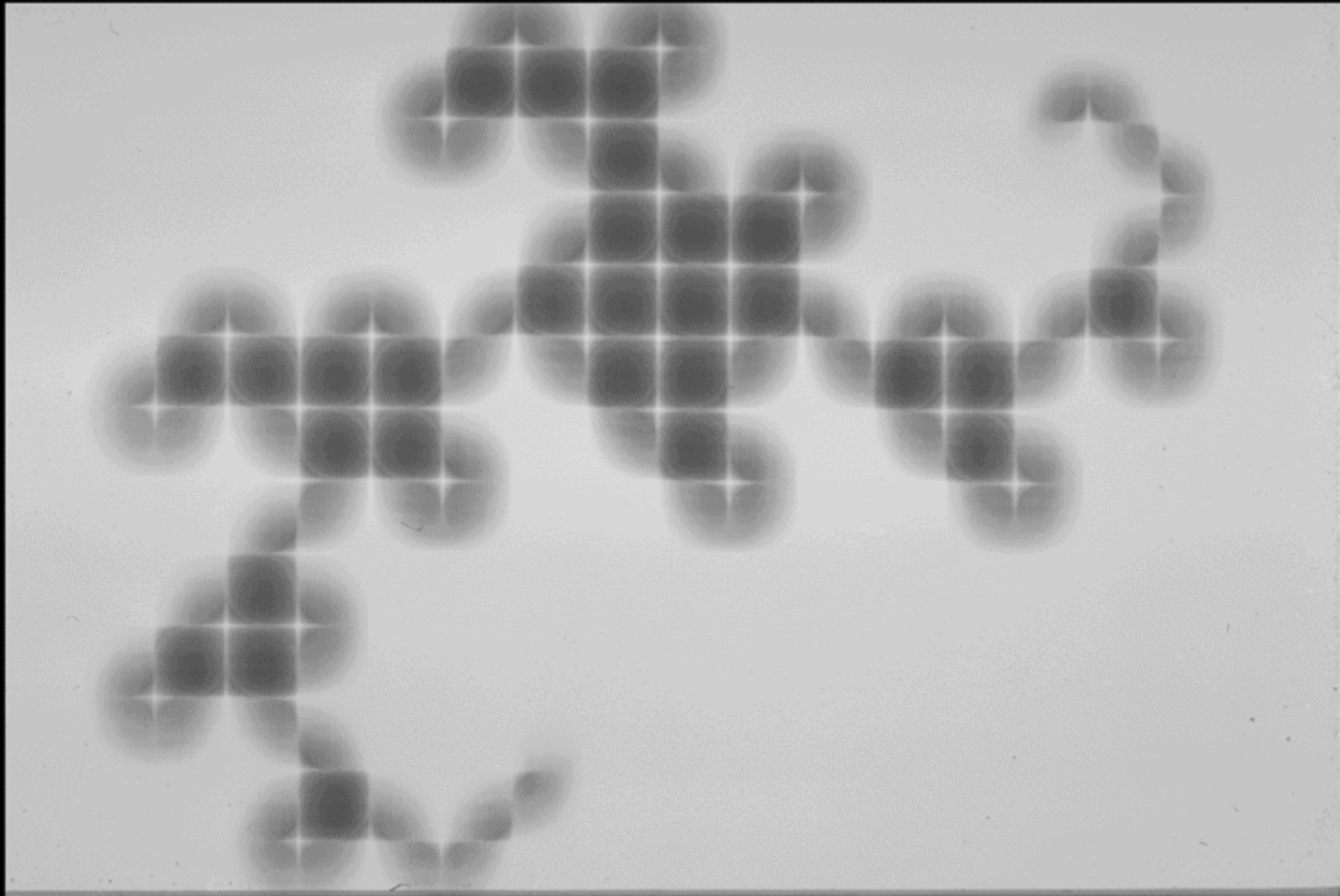




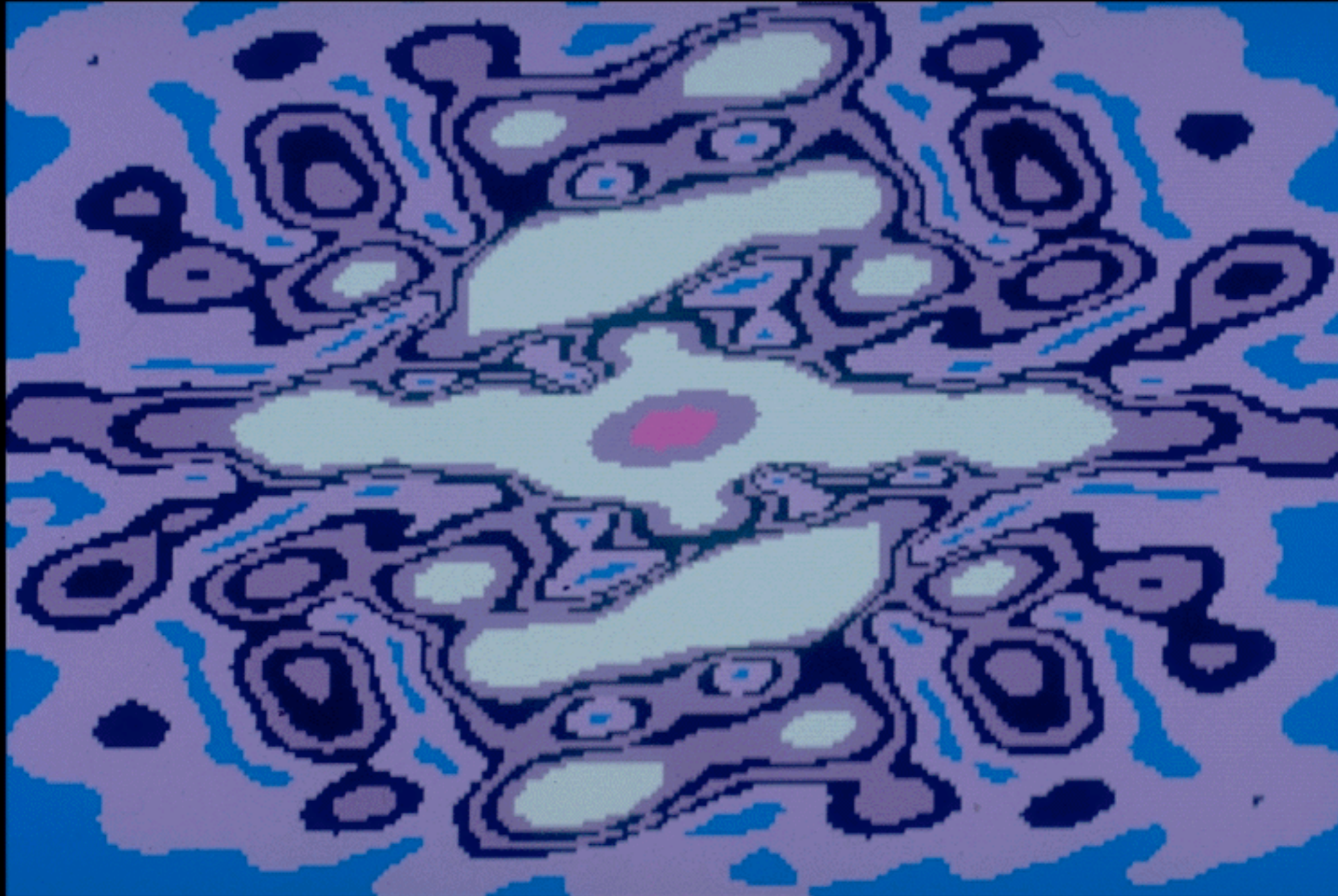
Herbert W. Franke, Serie DRAKULA - 1970/71

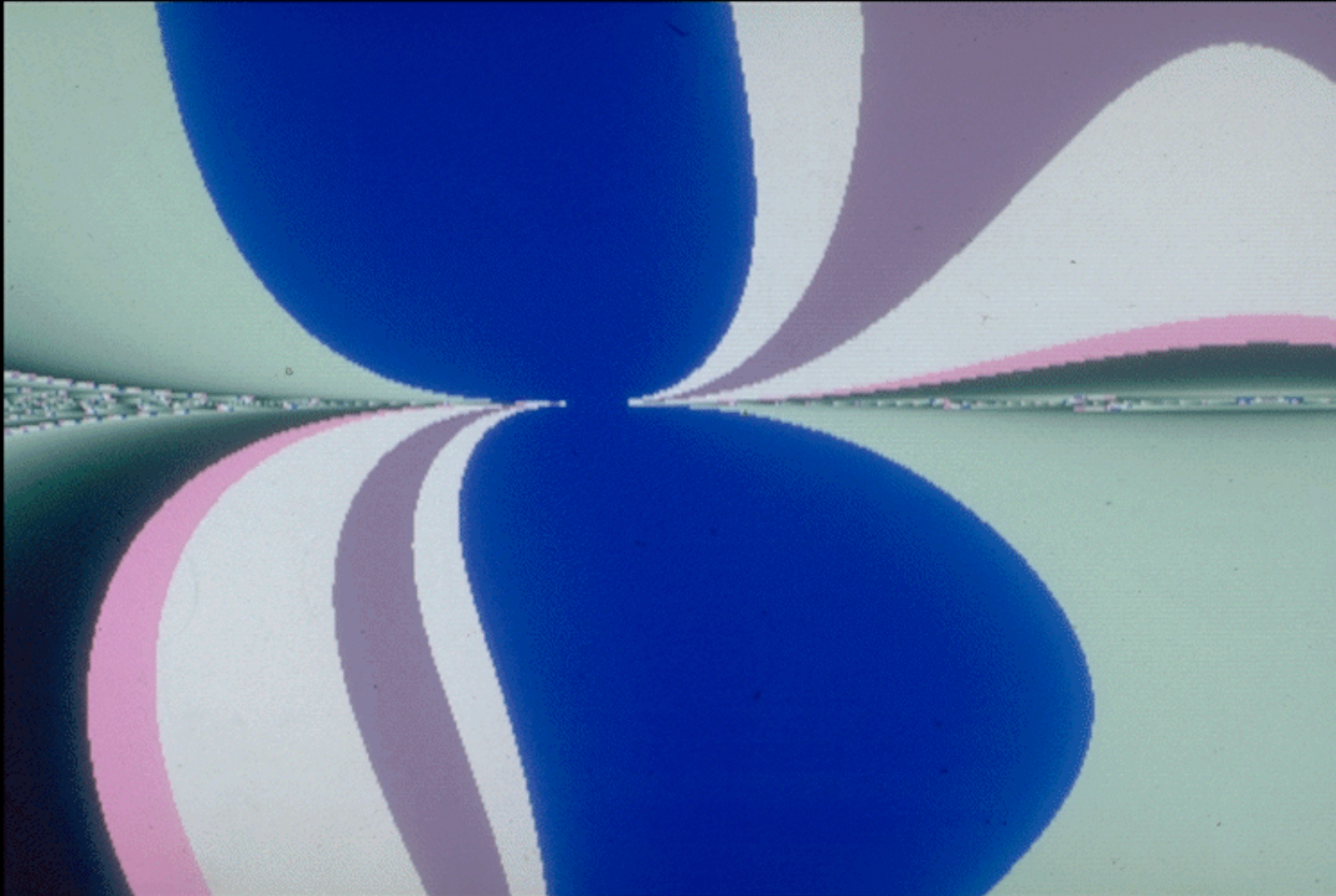


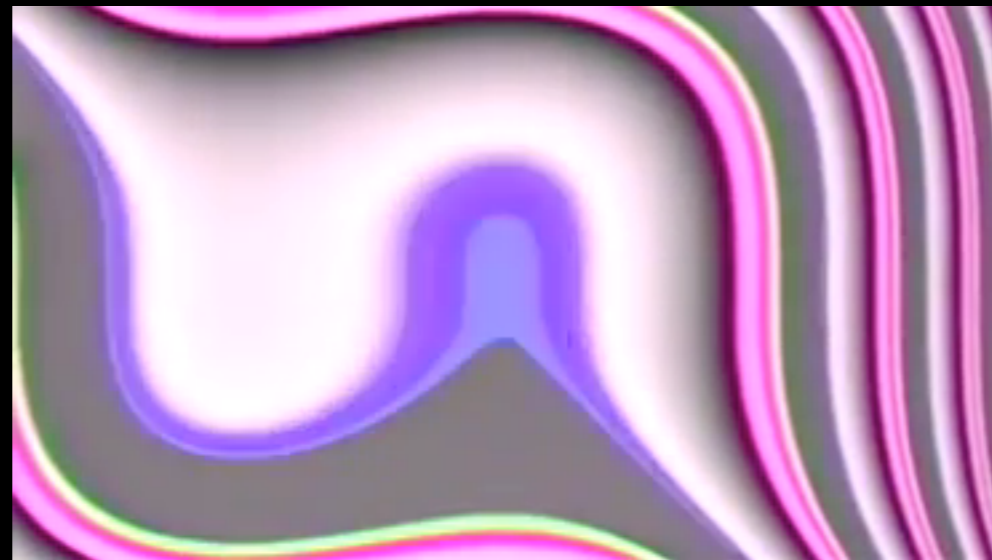
Drachenkurven, fotografisch transformiert von Wolfgang Siebig - ung. 1973



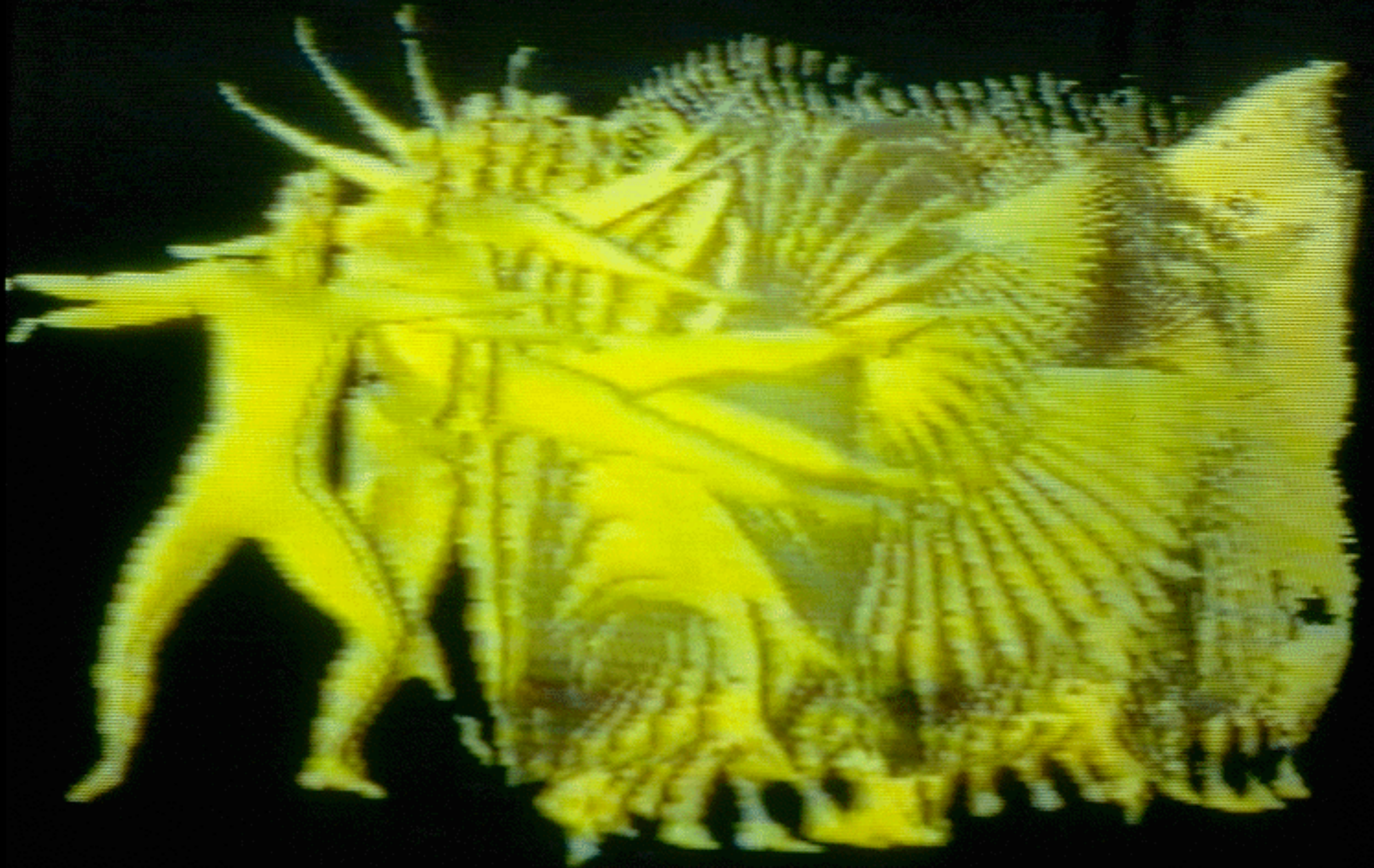
Drachenkurven, fotografisch transformiert von Wolfgang Siebig - ung. 1973



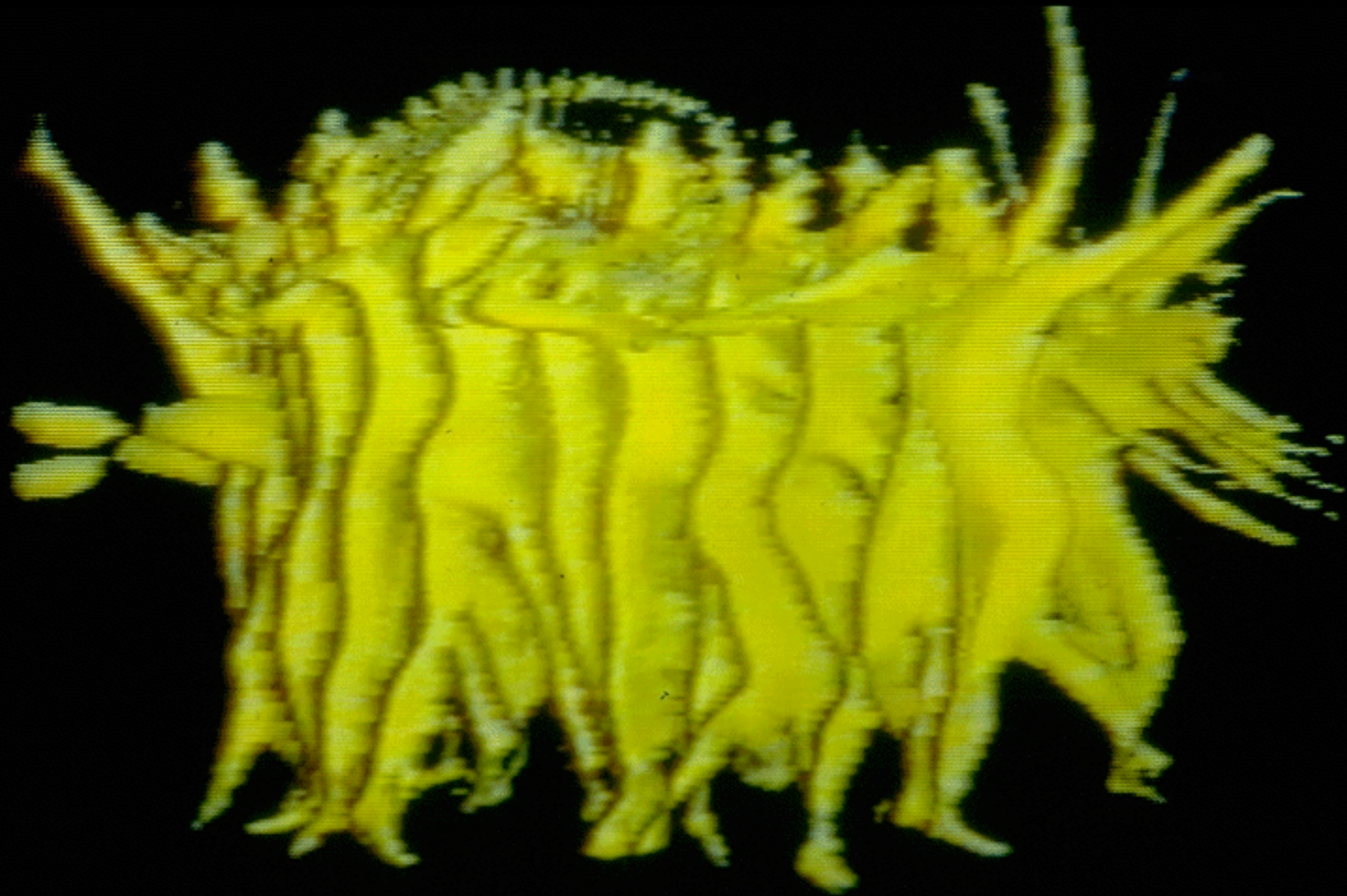




Hommage à E.M. - 1989



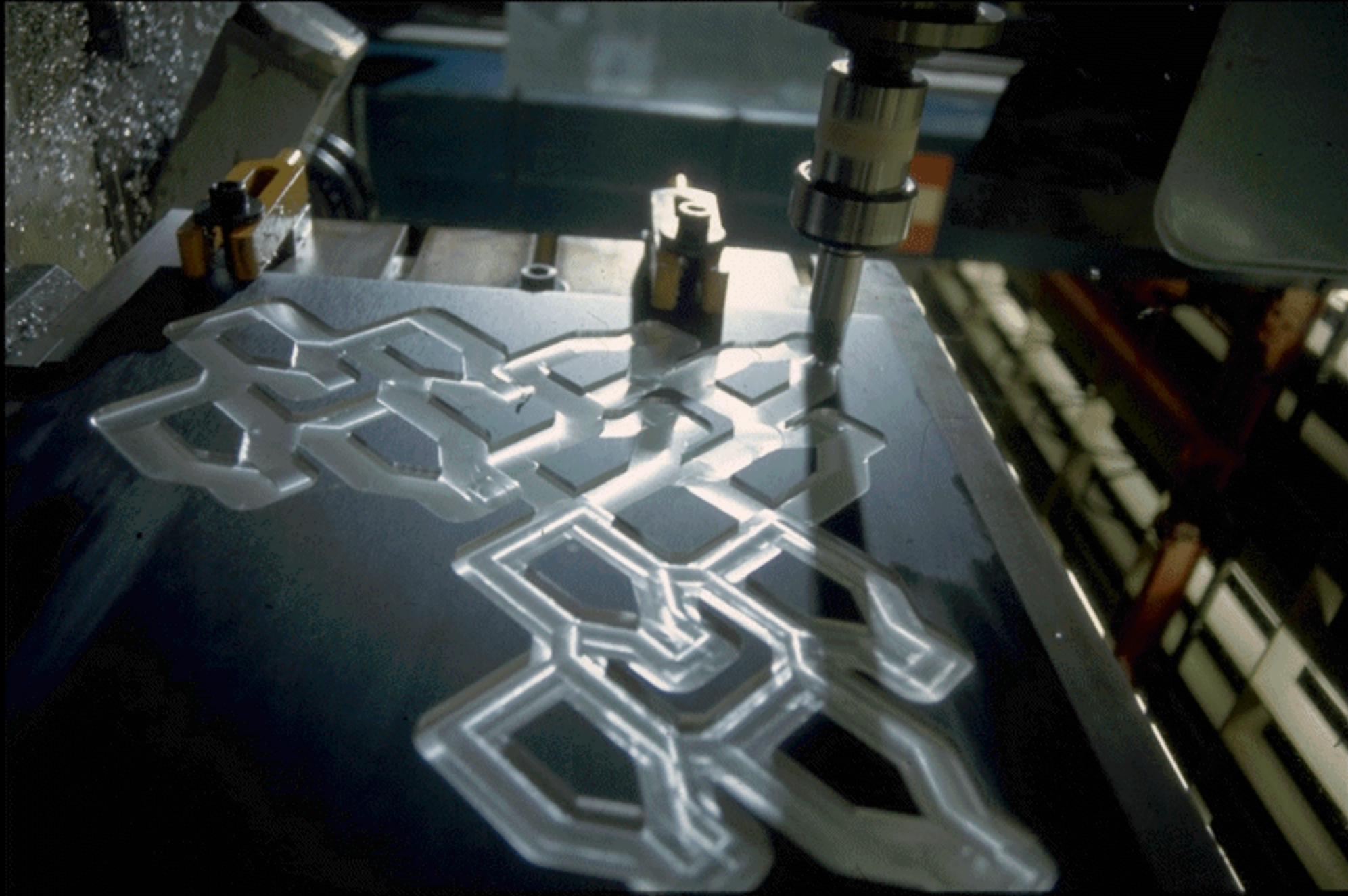
Hommage à E.M. - 1989



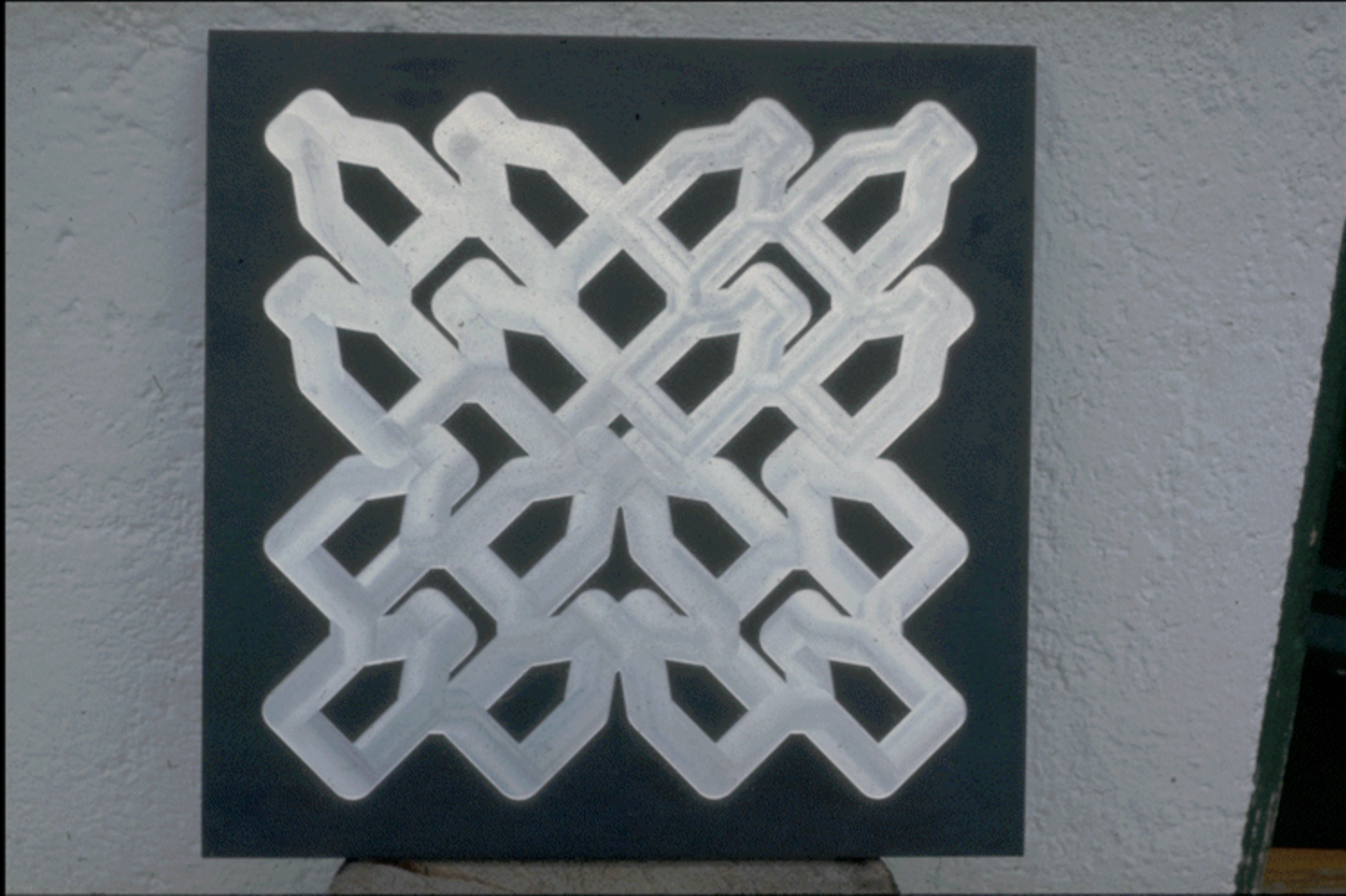
Programmiertes Relief



Programmiertes Relief



Programmiertes Relief

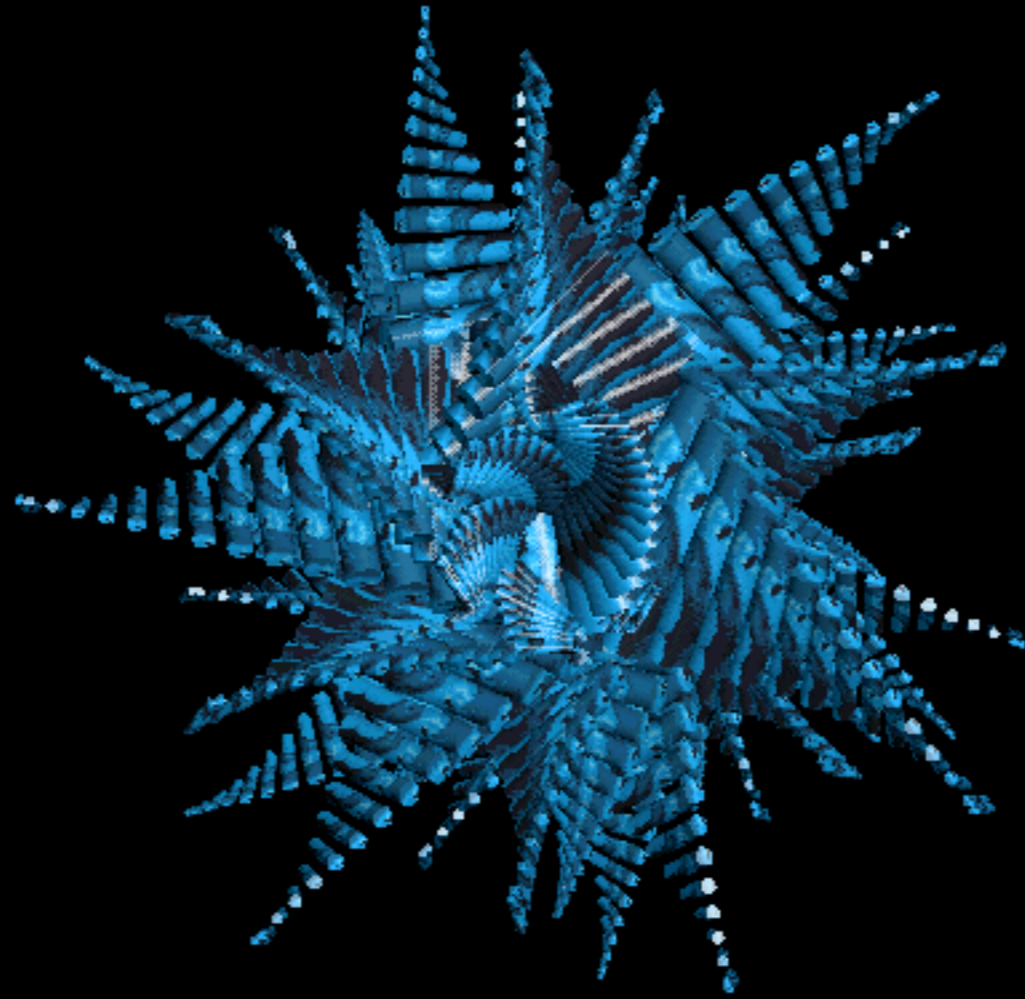


3D-Ornamente



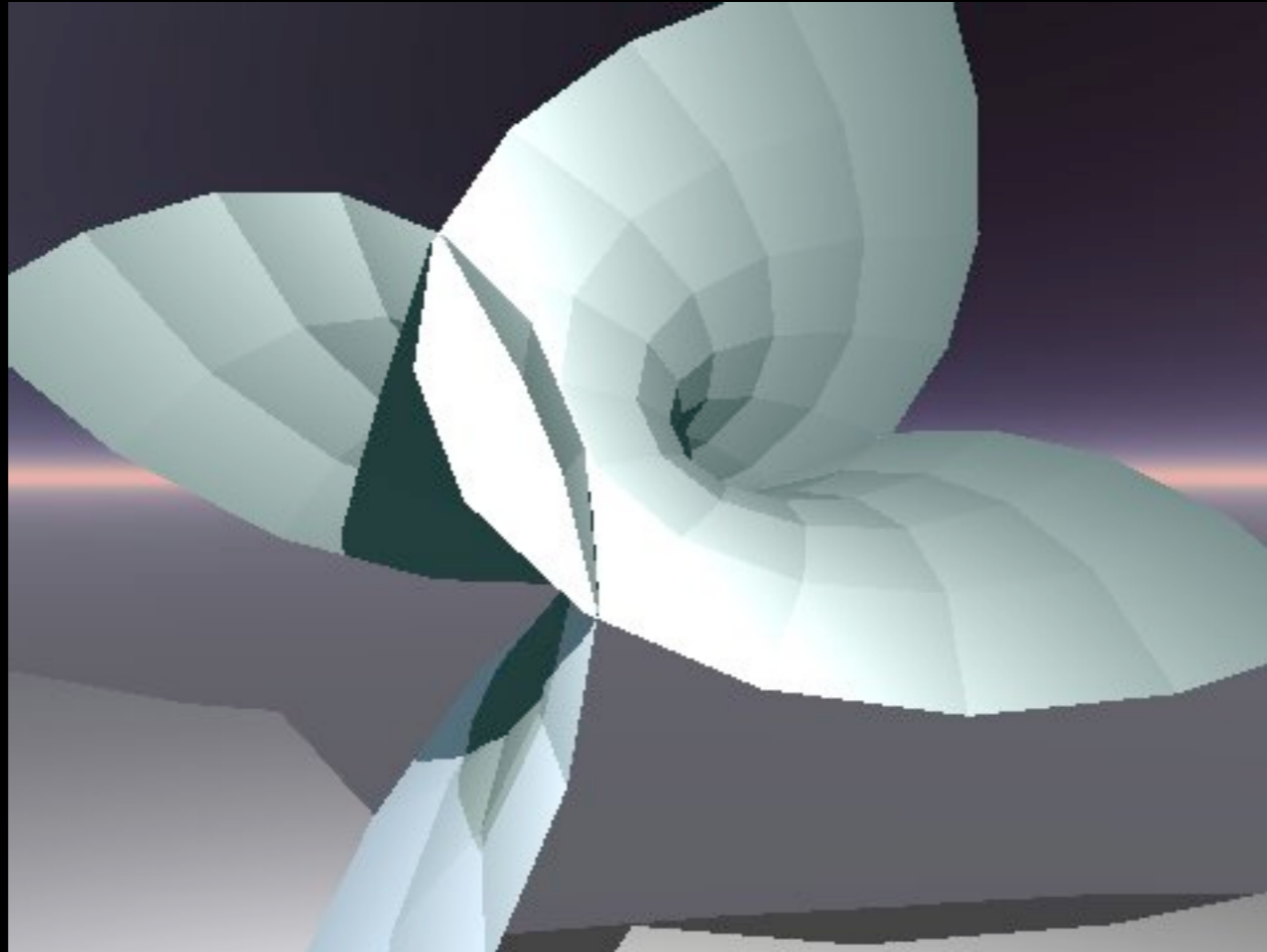
mit Hilfe eines Programms von William Latham, 1992

3D-Ornamente



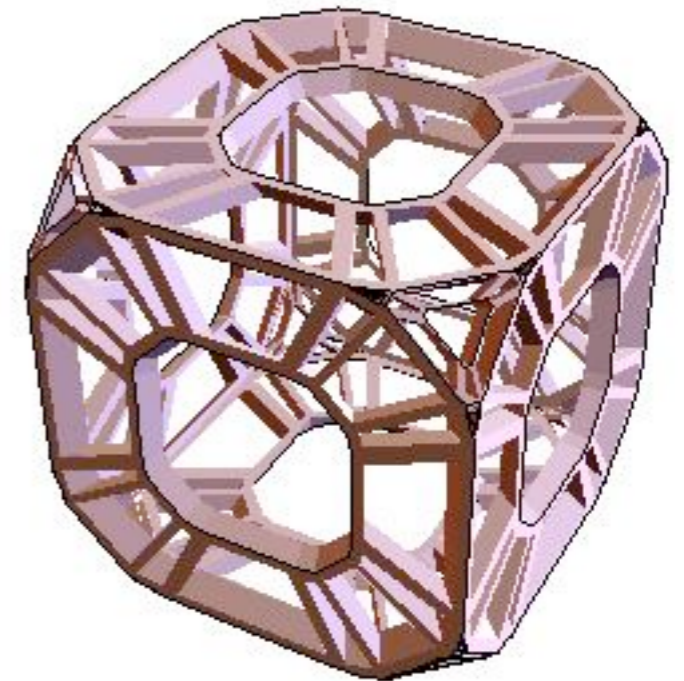
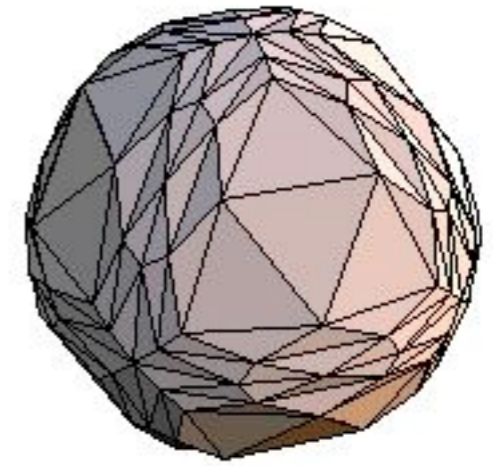
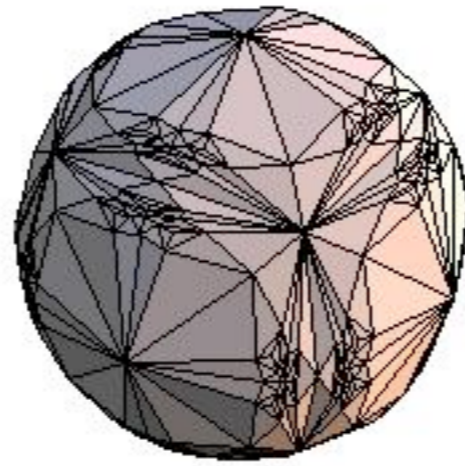
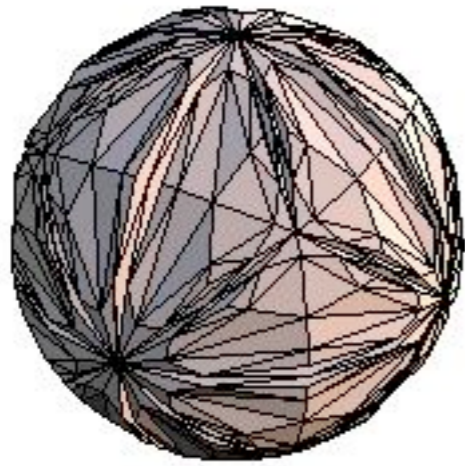
mit Hilfe eines Programms von William Latham

Virtuelle Skulpturen

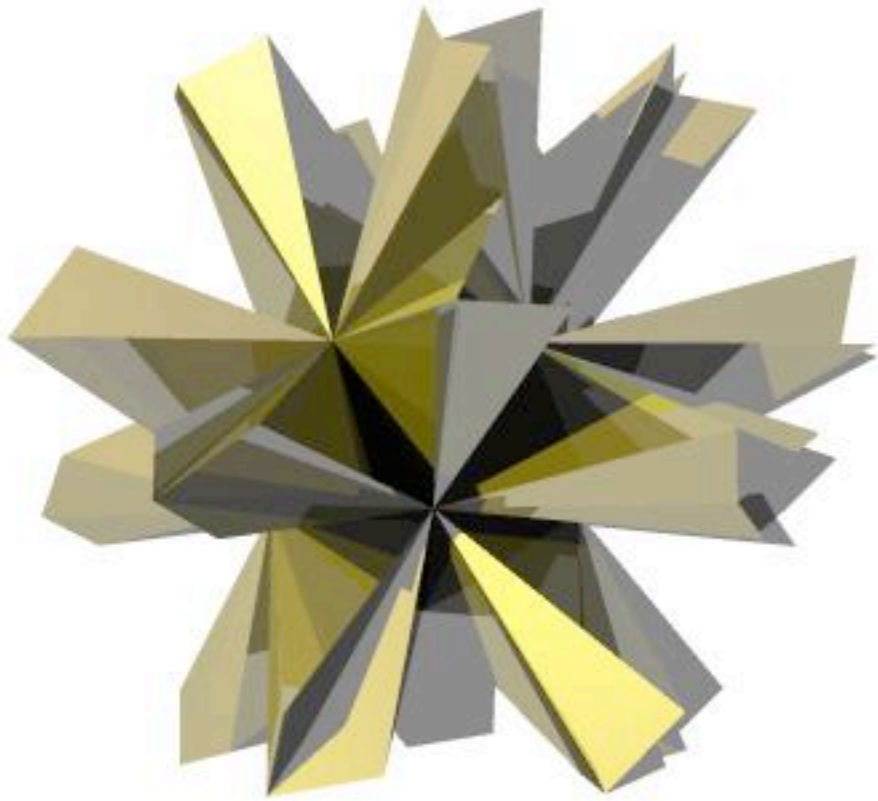


erzeugt mit Hilfe der Programmsysteme Mathematica und Bryce

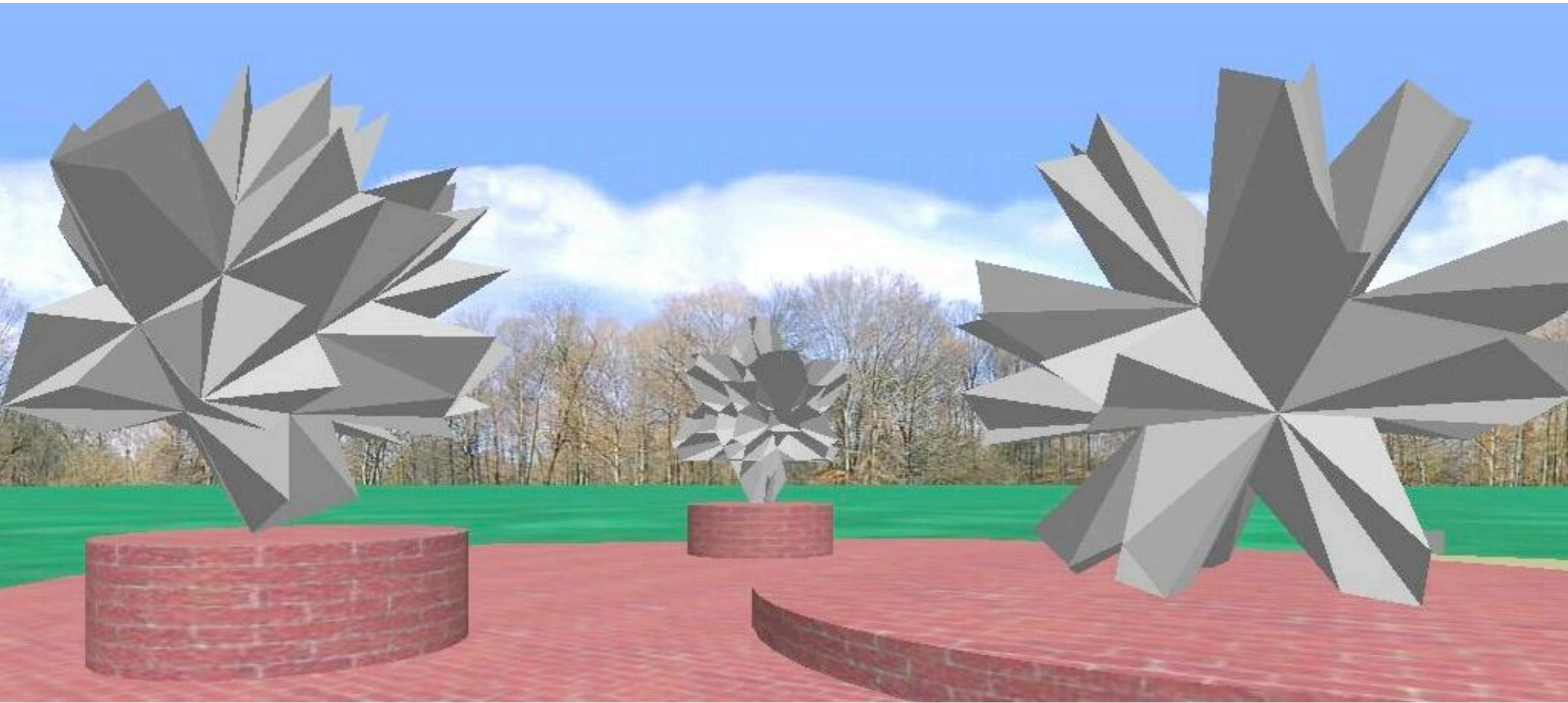
Polyeder



Para-Kristalle



Para-Kristalle



erzeugt mit Hilfe der Programmsysteme Mathematica und Bryce



James H. Smith
1801