

Aesthetics and Complexity

Creations, Experimentations and Neurosciences

Zoï Kapoula & Louis-José Lestocart

The book

Since Antiquity arts and sciences have continued to engage in a highly fruitful collaboration. Today, with the triumphal rise of science and its almost daily output of increasingly complex critical and experimental techniques, meaningful exchange and dialogue between disciplines has begun to expand and intensify. The various interactions which are to be traced between works of art, their creators and their "spectators" have fast grown into contemporary research topics of considerable interest. Zoï Kapoula and Louis-José Lestocart have invited artists and scientists alike to share with the reader their testimonies and ideas concerning the most contemporary movements and practices in experimental cinema, animation, video, interactive installations and paintings. These renown specialists will also analyze the applications and effects of scientific theories on the creation process.

A significant portion of the work will be dedicated to the fascinating topic of neuro-aesthetics, which aim to renew phenomenological and hermeneutic analyses of both classical (Piero della Francesca, Vélasquez) and modern works (Degas, Seurat, Picasso, Bacon). Eye movement analysis of the spectator's gaze at the surface of a given painting is particularly revelatory in this respect, shedding light on aesthetics, psychological and cultural modes of thought and perception. This is a highly prospective work which locates itself at the crossroads between philosophy, art history and science of complex systems.

The authors

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Esthétique et complexité

Création, expérimentations
et neurosciences

Sous la direction de
Zoï Kapoula et Louis-José Lestocart

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