



The psychology of art and the evolution of the conscious brain /

Solso, Robert L. (1933-)

MIT Press, 2003

Monografía

How did the human brain evolve so that consciousness of art could develop? In *The Psychology of Art and the Evolution of the Conscious Brain*, Robert Solso describes how a consciousness that evolved for other purposes perceives and creates art. Drawing on his earlier book *Cognition and the Visual Arts* and ten years of new findings in cognitive research (as well as new ideas in anthropology and art history), Solso shows that consciousness developed gradually, with distinct components that evolved over time. One of these components is an adaptive consciousness that includes the ability to imagine objects that are not present--an ability that allows us to create (and perceive) visual art. Solso describes the neurological, perceptual, and cognitive sequence that occurs when we view art, and the often inexpressible effect that a work of art has on us. He shows that there are two aspects to viewing art: nativistic perception--the synchronicity of eye and brain that transforms electromagnetic energy into neuro-chemical codes--which is "hard-wired" into the sensory-cognitive system; and directed perception, which incorporates personal history and knowledge--the entire set of our expectations and past experiences. Both forms of perception are part of the appreciation of art, and both are products of the evolution of the conscious brain over hundreds of thousands of years. Solso also investigates the related issues of neurological and artistic perception of the human face, the effects of visual illusions, and the use of perspective. The many works of art used as examples are drawn from a wide range of artistic traditions, from ancient Egypt to Africa and India and the European Renaissance

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMzY0NDkxODQ>

Título: The psychology of art and the evolution of the conscious brain Robert L. Solso

Editorial: Cambridge, Mass. MIT Press 2003

Descripción física: 1 online resource (xvi, 278 p.) ill. (some col.)

Tipo Audiovisual: COGNITIVE SCIENCES/General ARTS/General

Mención de serie: MIT Press/Bradford Books series in cognitive psychology

Nota general: Bibliographic Level Mode of Issuance: Monograph

Bibliografía: Includes bibliographical references (pages [265]-[272]) and index

Contenido: Introduction : Art ... a tutorial -- Nativistic perception and directed perception -- Nativistic perception applied to the Raft -- Directed perception applied to the Raft -- Nude descending a staircase no. 2 -- Rebound -- Art meets science -- 1. Art and the rise of consciousness -- Changes in science, changes in art -- Traditional ways of understanding art : psychophysical dualism -- Art and mind : a unitary view -- The evolution of art and the consciousness -- The rise of consciousness as a scientific topic -- AWAREness : the five facets of consciousness -- From nucleotides to Newton -- 2. Art and evolution -- The "new and improved" brain and technology, art, language, and culture -- Neanderthals, cro-magnons, and dogs that can't hunt -- The cognitive "big bang" -- The cognitive blueprint -- Environmental and dietary changes -- Brains and adaptation -- The evolution of the brain -- 3. Art and vision -- Visual AWAREness -- Seeing the brain and eye : the dynamic properties of vision -- The eye -- Beautiful colors -- From the eye to the brain -- The visual system and the perception of art -- 4. Art and the brain -- The evolution of the consciously AWARE brain -- The cognitive big bang and the emergence of art -- What brains do -- "Raphael's brain" -- 5. About face -- Faces are special in art -- Domain specificity and faces -- What the portrait artist's brain "sees" -- The face as a reflection of the "inner person" -- 6. Illusions : sensory, cognitive, and artistic -- Sensory illusions : truth or fiction? -- Cognitive illusions : twisting truth -- Visual illusions -- Artistic illusions -- First-order isomorphism and proto-isomorphism -- 7. Perspective : the art of illusion -- Seeing a 3D world with a 2D eye -- Principles of depth perception : where is it? -- Recumbent figures : why they are so hard to draw -- 8. Art and schemata -- Schemata -- Visual dissonance -- Canonic representations -- Representational art, abstract art -- A cognitive neuroscience theory of aesthetics

Lengua: English

ISBN: 0-262-28405-7 1-4237-3335-5

Materia: Consciousness Cognition Brain- Evolution Visual perception Art- Psychology

Enlace a formato físico adicional: 0-262-19484-8

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es