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Altri autori (Persone)	ChadwickDerek DiamondMathew GoodeJamie
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Nota di contenuto	Active construction of percepts about object location / Dori Derdikman ... [et al.] -- Neuronal encoding of natural stimuli: the rat tactile system / Mathew E. Diamond, Erik Zorzin, and Ehsan Arabzadeh -- Cortical commands in active touch / Michael Brecht -- Switching of sensorimotor transformations: antisaccades and parietal cortex / Shabtai Barash and Mingsha Zhang -- Saccade initiation and the reliability of motor signals involved in the generation of saccadic eye movements / David L. Sparks and Xintian Hu -- Multiple roles of experience in decoding the neural representation of sensory stimuli / Joshua I. Gold -- Computational approaches to visual decision making / Jochen Ditterich

-- The inferior parietal lobule: where action becomes perception / Giacomo Rizzolatti ... [et al.] -- The evolution of the neocortex in mammals: intrinsic and extrinsic contributions to the cortical phenotype / Sarah J. Karlen and Leah Krubitzer -- General discussion III -- Decoding the temporal evolution of a simple perceptual act / Ranulfo Romo ... [et al.] -- Probabilistic mechanisms in sensorimotor control / Konrad P. Kording and Daniel M. Wolpert -- Human brain activation during viewing of dynamic natural scenes / Uri Hasson and Rafael Malach -- Representation of object images by combinations of visual features in the macaque inferior temporal cortex / Manabu Tanifuji, Kazushige Tsunoda, and Yukako Yamane -- Psychophysical investigations into cortical encoding of vibrotactile stimuli / Justin A. Harris -- Why is language unique to humans? / Jacques Mehler ... [et al.]

Sommario/riassunto

Seemingly simple behaviours turn out, on reflection, to be discouragingly complex. For many years, cognitive operations such as sensation, perception, comparing percepts to stored models (short-term and long-term memory), decision-making and planning of actions were treated by most neuroscientists as separate areas of research. This was not because the neuroscience community believed these operations to act independently-it is intuitive that any common cognitive process seamlessly interweaves these operations-but because too little was known about the individual processes constituting the full
