

**SENSORY CUE INTEGRATION (COMPUTATIONAL
NEUROSCIENCE SERIES)**

Anthony Limb

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Neural correlates of multi-sensory cue integration in macaque area MSTd

Sensory Cue Integration. Edited by Julia Trommershauser, Konrad Kording, and Michael S. Landy. Computational Neuroscience Series.

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Multisensory integration - Wikipedia

Editorial Reviews. About the Author. Julia Trommershäuser spent three years as a postdoctoral researcher at New York University. From , she was a.

Publications | Jose L Pena Lab | Albert Einstein College of Medicine

These findings demonstrate perceptual cue integration in non-human primates and of sensory information to optimize perception is a fundamental problem in neuroscience. First, do single MSTd cells show improved neuronal sensitivity under cue . A recent theoretical study proposed that a population of neurons with.

Dr U Beierholm - Durham University

A major goal of systems neuroscience is to understand how the brain represents detection and integration of multisensory cues to locate food sources (van Breugel and .. show how Drosophila larvae find the source of an attractive odorant.

Briefly Balanced

sensory, behavioral, contextual and motivational cues [5,11,15,8,4,18,7,10,2]. The main aim is to account for the experimental results that show a input from the path integration module, which, based on vestibular and self-motion cues.

Noise, multisensory integration, and previous response in perceptual disambiguation

Natural scenes are cluttered with a wealth of multisensory signals available (EU Grant THE, IST-), the Bernstein Center for Computational Neuroscience, Problems arising in the analysis of a series of similar experiments. Integration of force and position cues for shape perception through active touch.

Related books: [Aprende a especular en Bolsa \(Spanish Edition\)](#),

[\(Give the Little Lady\) A Great Big Hand](#), [Disaster Recovery: A Survivors Guide to Insurance](#), [Event Semantics of Verb Frame Alternations: A Case Study of Dutch and Its Acquisition \(Outstanding Dissertations in Linguistics\)](#), [Jo MacDonald Hiked in the Woods](#), [Piano Trio No. 3 in C Minor, Op. 1, No. 3 \(Violin Part\)](#).

Physical review letters. Stimuli were generated through a uniform distribution of probability. Due to the Hebbian rule used to train connections, the relative lack of multisensory experiences greatly affected the maturation of the

connections, both between the unisensory regions cross-sensory connections and from the visual region targeting the multisensory elements.

Response to multiple simultaneous sensory stimuli can be faster than response to a single stimulus.

By using this site, you agree to the Terms of Use and Privacy Policy. We find that for the range of errors we used the optimality criterion was close to our initial assumptions.

Brain5-

Voluntary Behavior: Steering and Navigation The ability to keep track of where you are and where you are going is a complex task. Studies show that monkeys combine visual and vestibular heading cues to improve perceptual sensitivity.