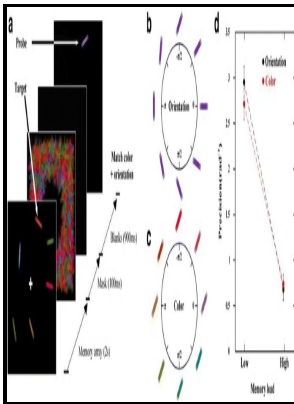


Spatial and temporal aspects of visual binding

University of Birmingham - Binding problem



Description: -

-Spatial and temporal aspects of visual binding

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Temporal recalibration in vision requires location

They used a bistable feature binding stimulus designed by , formed by two groups of dots, one moving downwards and the other upwards. The attentional blink AB occurs when a second target T2 embedded in a rapid serial visual presentation is missed when following a first target T1 within a time interval between 200 and 500 ms. This means that if the behavioral performance oscillates periodically according to the phase of the ongoing cycle, tACS stimulation should lead to a sinusoidal modulation of any measure of task performance.

Binding problem

The transfer of the aftereffect has also been examined in the auditory frequency domain to investigate whether adaptation is specific for sound localization cues on the basis of interaural time differences mainly used for low-frequency tones and interaural level differences mainly used for high-frequency tones. The positive arguments for a role for rhythmic synchrony in resolving the segregational object-feature binding problem BP1 have been summarized by Singer.

Intersensory binding across space and time: a tutorial review

Behavioral evidence from spatial cuing studies has also provided converging evidence demonstrating that spatial ventriloquism can be dissociated from where endogenous and exogenously cued visual attention is oriented Bertelson et al.

Binding of sights and sounds: Age

TN's spatial coding deficit is also illustrated by her inaccuracy in locating objects presented in her lower-left quadrant Ward and Arend,. An analogous example of mutual attraction between audition and vision has been found in the temporal domain, where temporal aspects of a visual event, such as its onset, frequency, or duration, can be biased by a slightly asynchronous sound.

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