Saccades and Finger Movements Are Planned Using Visual Memory As Well As Current Retinal Information

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Abstract: It has been shown that in planning hand movements, memory is integrated with current visual input, based on their relative reliabilities. We present a similar result for planning eye movements in a natural task with no explicit memory requirement. Our virtual task involved moving a "weapon" to a "reload station" 15 or 30 degrees of visual angle to the left, then back to a circular target on the right. In 33