

Attentional Prioritization in Working Memory Changes Interactions with Task-Relevant Perception

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Less Swapping!



A. Research Question C. Task Procedure B. Hypotheses Models of visual working memory "Remember Both" "Maintain" OR "Compare" "Attend Cued Item" "Attend Cued Item" "Report Cued Item" "Is this item (VWM) posit an internal focus of similar?" attention (FoA) that: Report item inside FoA 1) Allows memoranda to be *used* in task-guided behavior 2) Facilitates maintenance and Report item outside FoA protects memoranda against interference by new percepts How does prioritization with the FoA modulate interference? Yet, new inputs are shown to << H1: Protective Attention H2: Protective Dormancy systematically bias VWM items, even when only one item is maintained: **WM Item Biased WM** inside FOA 400 ms 800 ms Until Response Until Response Similar Dissimilar FoA protects memoranda against FoA enables interference via sensory



