

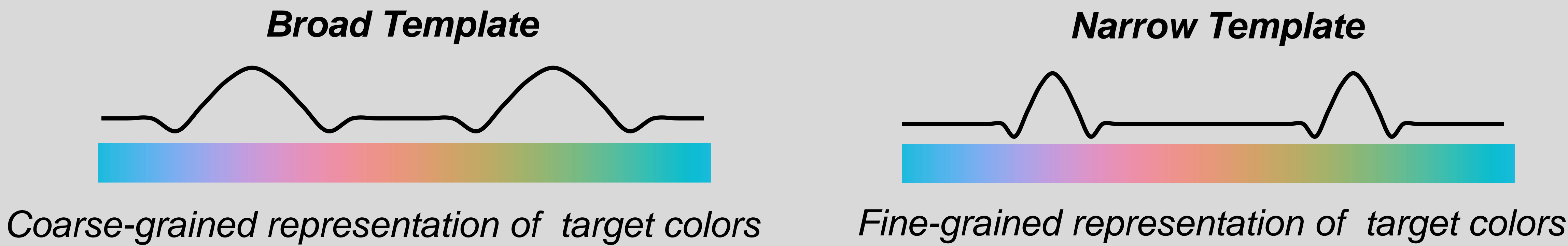
Attentional Template Specificity is Modulated by Task Demands for Single and Multiple Control Settings

Ryan S. Williams, Susanne Ferber, & Jay Pratt

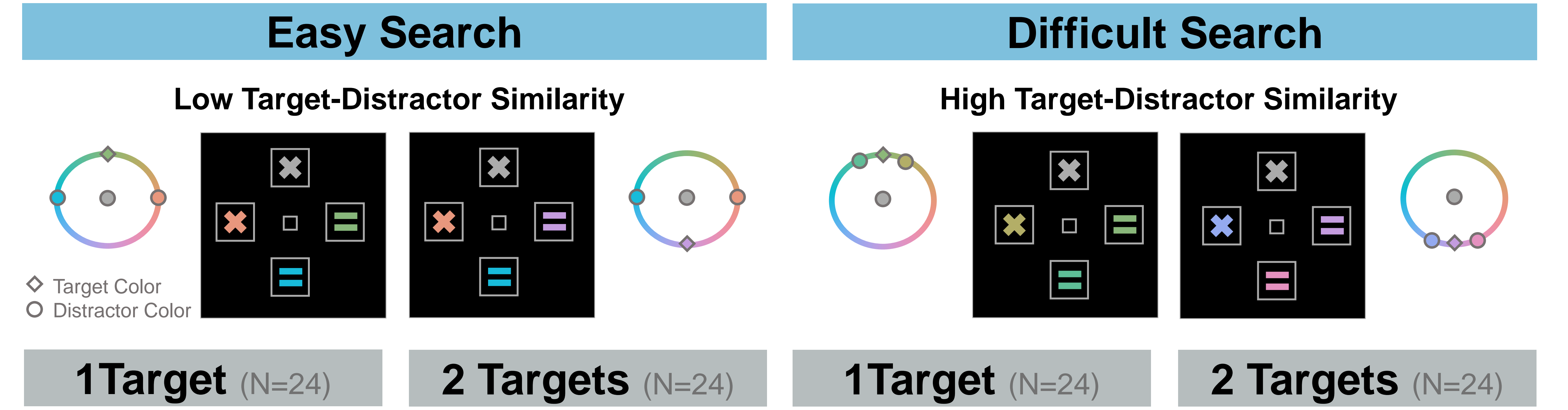
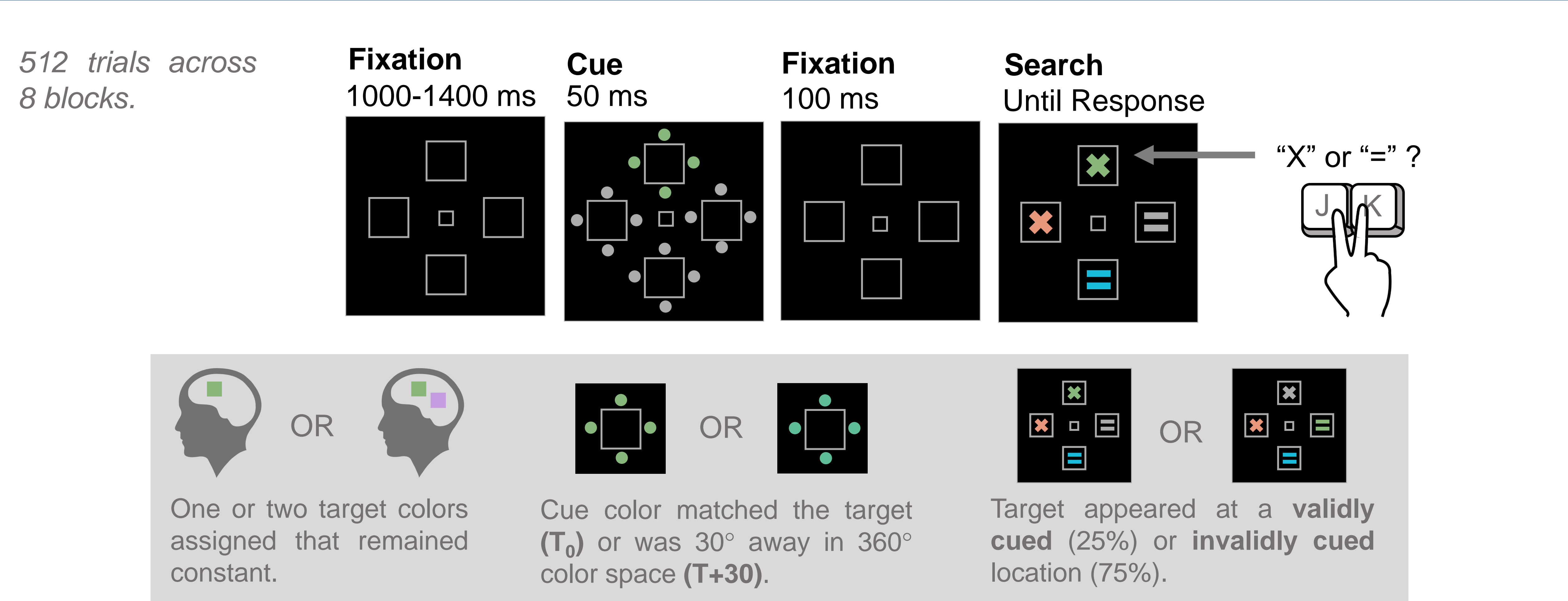


DOES SEARCH CONTEXT MODULATE TEMPLATE SPECIFICITY FOR MULTIPLE TARGETS?

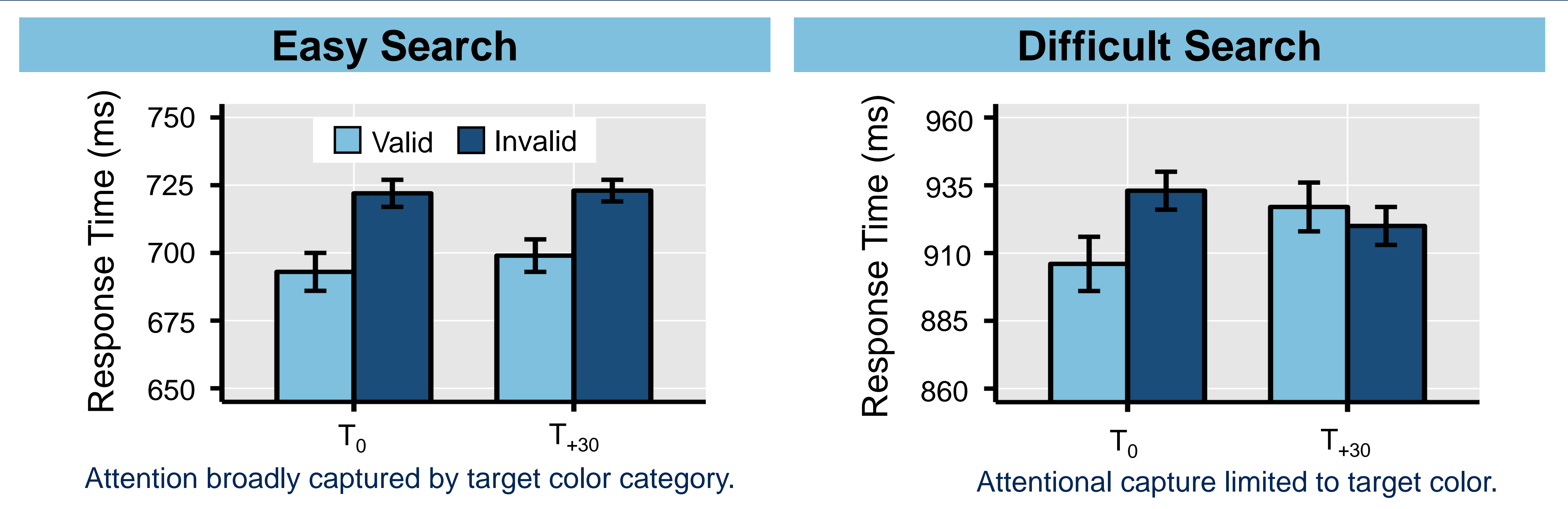
- Attentional templates bias the processing of items possessing a target-defining feature.¹
- Such templates are more narrowly represented when distractors resemble targets.²
- While multiple templates can be maintained simultaneously³, it is unclear if such representations are similarly narrowed by difficult search contexts.



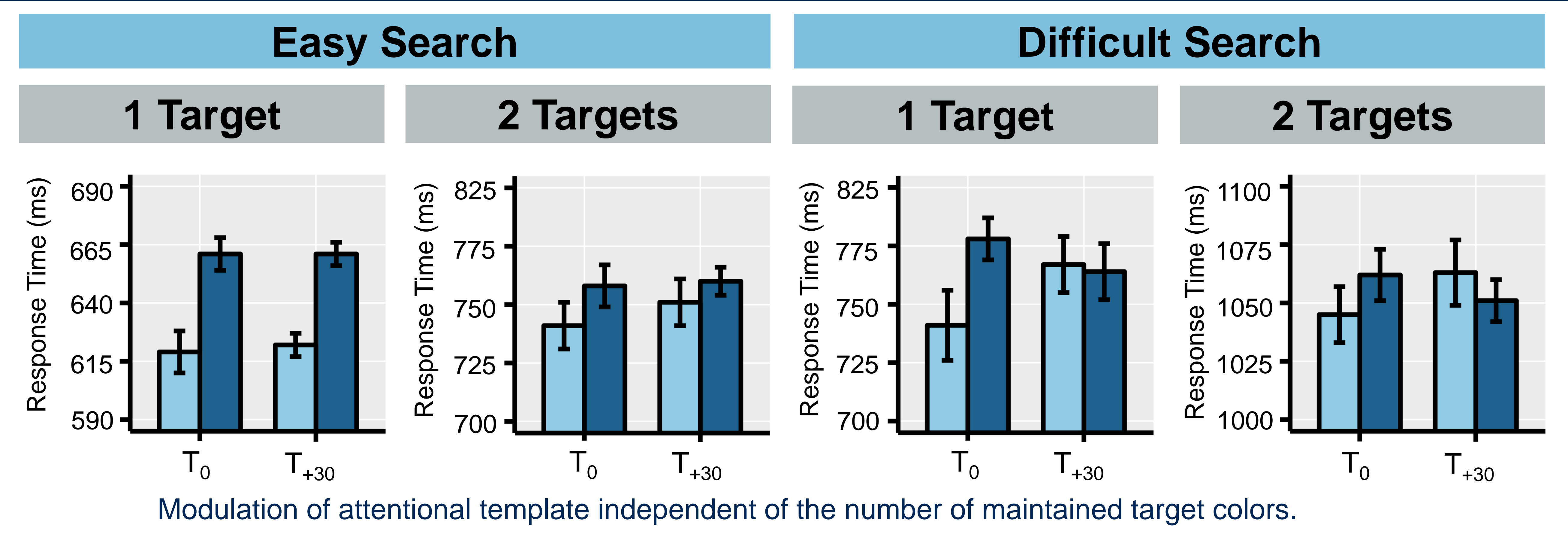
METHOD



TEMPLATE SPECIFICITY X TASK DIFFICULTY



TEMPLATE REGULATION X SET SIZE



1. Folk, Remington, & Johnston (1992). *J. Exp. Psychol. Hum. Percept. Perform.* 18(4); 2. Geng, DiQuattro, & Helm (2017). *J. Exp. Psychol. Hum. Percept. Perform.* 43(12); 3. Irons, Folk, & Remington (2012). *J. Exp. Psychol. Hum. Percept. Perform.*, 38(3).

Multiple attentional templates can be represented simultaneously with fine-grained precision, though with reduced strength.