
Negative attentional set in the attentional blink: control is not lost

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Abstract In the attentional blink paradigm, the second target is often missed when the first target is detected. This is thought to be due to a temporary depletion of attentional resources. However, recent research has shown that the second target is not always missed. In fact, the second target is often detected, even when the first target is detected. This suggests that attentional resources are not completely depleted during the first target. In this study, we investigated the role of negative attentional set in the attentional blink. We found that a negative attentional set (i.e., a bias to expect a second target) can lead to a higher detection rate for the second target, even when the first target is detected. This suggests that negative attentional set can help maintain attentional resources during the first target, and thus prevent a complete depletion of attentional resources. Our findings have implications for understanding the attentional blink and the role of attentional set in attentional control.

Keywords Attentional blink · Attentional set · Attentional control · Attentional resources · Attentional depletion

1, p = .01, $F(1, 1) = 1.0$
(1.0%), $F(1, 1) = 1.0$

$\frac{1}{2} \ln \left| \frac{x+1}{x-1} \right| + \frac{1}{2} \ln \left| \frac{x-1}{x+1} \right| - 1$
 $\frac{1}{2} \ln \left| \frac{x+1}{x-1} \right| + \frac{1}{2} \ln \left| \frac{x-1}{x+1} \right| - 1$
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 $\frac{1}{2} \ln \left| \frac{x+1}{x-1} \right| + \frac{1}{2} \ln \left| \frac{x-1}{x+1} \right| - 1$

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