

When attention is focused to a location, visual onset presented at nonattended locations do not interfere.
 By voluntary focusing, the attention-attraction effect of peripheral onsets and offsets can be eliminated.

Does exogenous cues really reflect voluntary attentional orienting?

• Endogenous cues work because they are predictive of the location of the stimuli

• «But there is a large and growing body of evidence indicating that reflexive orienting is triggered by central spatially nonpredictive directional cues, such as arrows.» (Ristic and Kingstone, 2006)

Does exogenous cues really reflect voluntary attentional orienting? Central arrows, since they were highly overlearned stimuli, can trigger rapid automatic shifts of spatial attention similar to exogenous cues. Therefore, observed effects with central arrows might not reflect orienting attention with endogenous cues

Ristic, J., & Kingstone, A. (2006). Attention to arrows: Pointing to a new direction. The Quarterly Journal of Texperimental Psychology, 59(11), 1921-1930.

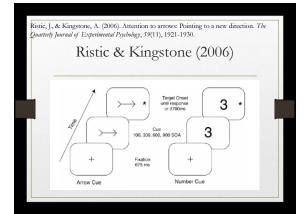
Ristic & Kingstone (2006)

• Method:

• Task: where the asterics appeared (up, down, left or right?)

• Predictive Cues: The cue predicted the location %80 of the time

• Unpredictive Cues: The cue predicted the location %25 of the time



Ristic, J., & Kingstone, A. (2006). Attention to arrows: Pointing to a new direction. The Quarterly Journal of Experimental Psychology, 59(11), 1921-1930.

Ristic & Kingstone (2006)

* Number cues:

* "1" predicted a target at the top,

* "3" a right target,

* "6" a bottom target,

* "9" a left target.

