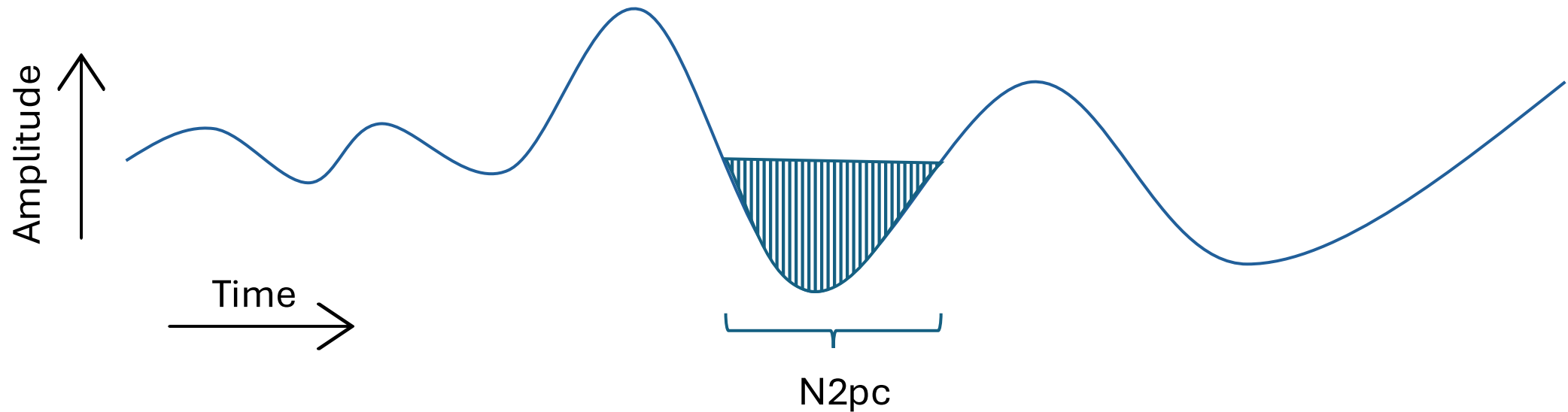


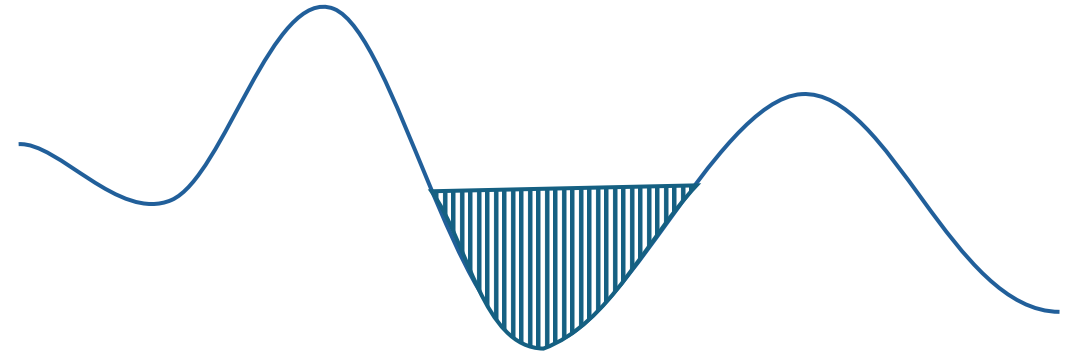
Reentrant Processing as Indexed by the N2pc

Graham J. Voiles

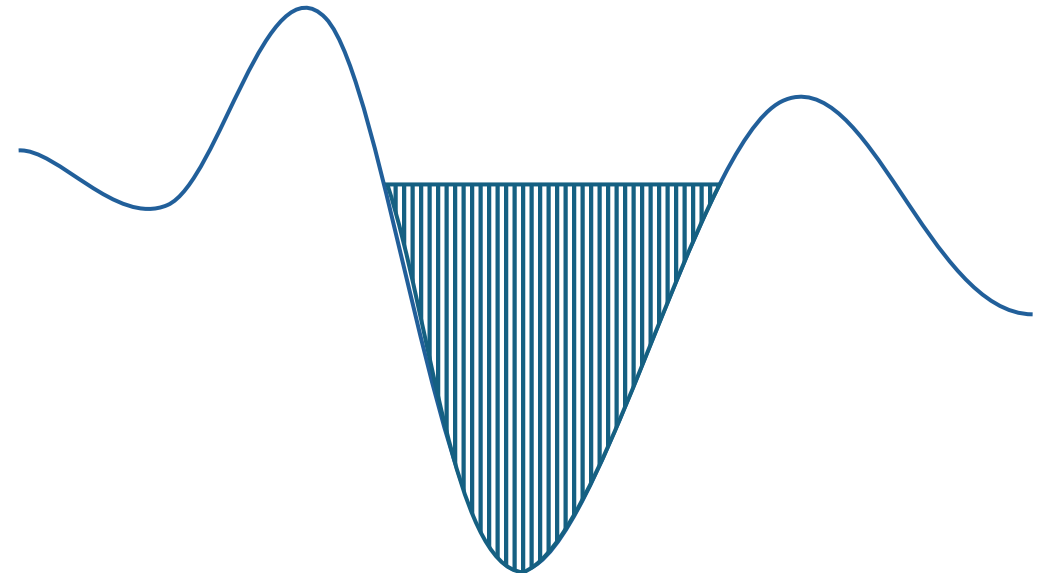
Collaborators: Nadja Jankovic, Aaron Richardson, Vincent Di Lollo, Thomas M. Spalek



Simple Task

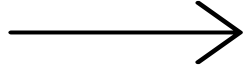
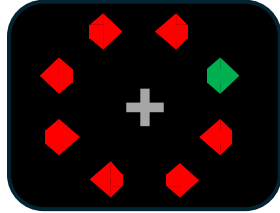


Complex Task

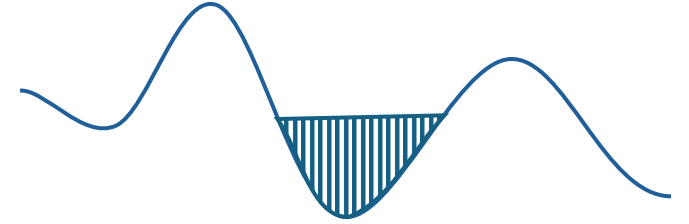
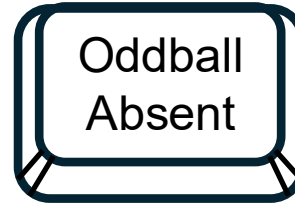
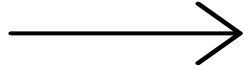
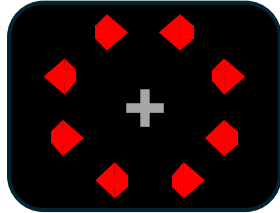
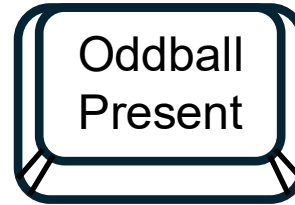


Note: Prior studies (Hickey et al., 2009; Luck & Hillyard, 1994; Mazza et al., 2009) informed this research question

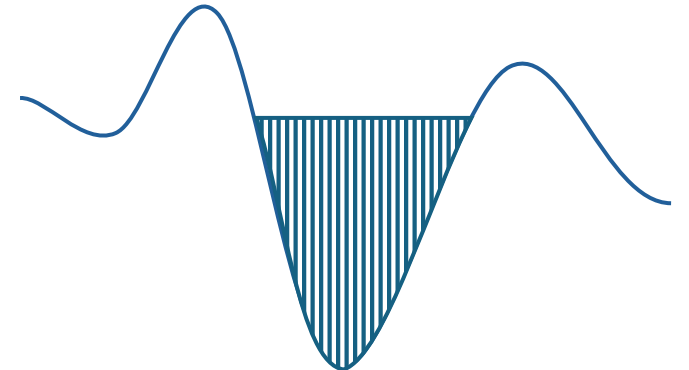
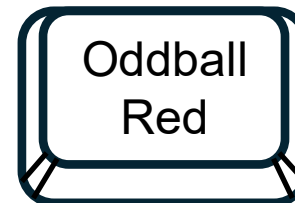
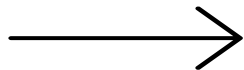
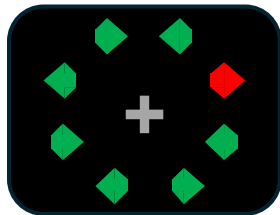
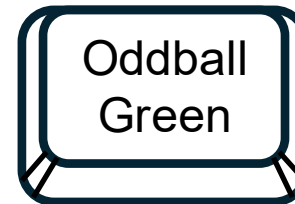
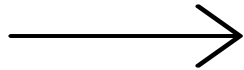
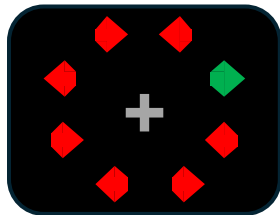
Simple Search



Response



Complex Search

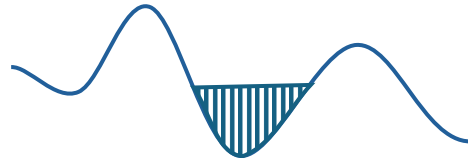


Outcome

Interpretation

Reentry?

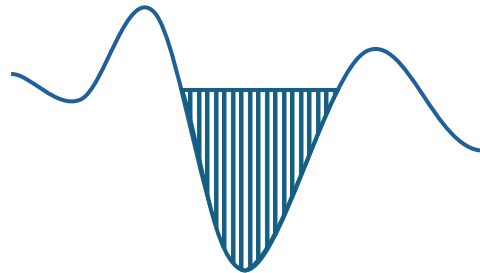
Simple Search



Attention



Complex Search



Attention + Task
Complexity



References

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- Luck, S. J., & Hillyard, S. A. (1994). Spatial filtering during visual search: evidence from human electrophysiology. *Journal of Experimental Psychology. Human Perception and Performance*, 20(5), 1000–1014. <https://doi.org/10.1037/0096-1523.20.5.1000>
- Mazza, V., Turatto, M., & Caramazza, A. (2009). An electrophysiological assessment of distractor suppression in visual search tasks. *Psychophysiology*, 46(4), 771–775. <https://doi.org/10.1111/j.1469-8986.2009.00814>