EYE MOVEMENTS AND PERCEPTUAL SPAN IN READING

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When reading, the eyes do not move along a line of by the brain so that during saccades we are effec- right we primarily get information on word length tremely quick motions, called saccades, and stops, called fixations. It is only during fixations that we retrieve information. The saccades are extremely fast $(500^{\circ}/s)$ so that any vision during them would

of windows around each fixation. This is called the

text in a smooth motion, but in a combination of ex- tively blind. The text is thus taken in as a sequence which is used to plan the next saccade. For languages that are read from left to right the asymmeperceptual span. The perceptual span is asymmet- try of the perceptual span is mirrored. In languages ric. In English it reaches 14–15 letters to the right with denser writing systems it is narrower, making of the fixation and 4-5 letters to the left. Words are saccades shorter (2-3 characters in Chinese, 5-6 letbe perceived as a blur. This is however filtered out only identifiable 7–8 letters to right. Further to the ters in Hebrew), but fixation times remain the same.

