## EYE MOVEMENTS AND PERCEPTUAL SPAN IN READING

Based on Rayner, K., 1998. "Eye movements in reading and information processing." Psychological Bulletin, 85(3), pp.618–66.

When reading, the eyes do not move along a line by the brain so that during saccades we are effec-right we primarily get information on word length of text in a smooth motion, but in a combination of extremely quick motions, called saccades, and stops, called fixations. It is only during fixations that we retrieve information. The saccades are extremely fast (500°/s) so that any vision during them would be perceived as a blur. This is however filtered out

tively blind. The text is thus taken in as a sequence which is used to plan the next saccade. For languages of windows around each fixation. This is called the that are read from left to right the asymmetry of perceptual span. The perceptual span is asymmetric. the perceptual span is mirrored. In languages with In English it reaches 14-15 letters to the right of denser writing systems it is narrower, making sacthe fixation and 4-5 letters to the left. Words are cades shorter (2-3 characters in Chinese, 5-6 letonly identifiable 7-8 letters to right. Further to the ters in Hebrew), but fixation times remain the same.

