Reading quickly in the periphery

Tracey Berger, Marialuisa Martelli, Michael Su, Mauricio Aguayo, Najib Majaj, Denis Pelli - Psychology and Neural Science at New York University

We presented readers with short text passages one word at a time, using Rapid Serial Visual Presentation (RSVP). We find that when words are ordered, reading rate is independent of letter spacing; when words are unordered, reading rate falls at the small letter spacings at which crowding is expected. Readers can either use word content or word order to read quickly. When both sources of information are unavailable, reading rate drops dramatically.

We can model peripheral reading in the fovea by simulating crowding.


http://psych.nyu.edu/pelli/docs/berger2003vss.pdf