

Exploring Spatial and Temporal Aspects of Boundary Extension

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Does *boundary extension* (BE) occur uniformly during *dynamic* presentation of views, or might it develop over time? On each trial, a trio of photos (3/sec) was followed by a masked interval (42, 100, or 250 ms) and repetition of a scene from serial position 1, 2, or 3. Participants rated it as “same”, “more close-up”, or “more wide-angle” on a 5-point scale (close-up and wide-angle views were tested). In Exp 1 (N=108), BE occurred for close-ups at all masked intervals. Greater BE in position 1 than 3 at the 42 ms condition indicates that BE occurs rapidly, but not all at once. In Exp 2 (N=108, close-ups only), the repetition appeared either in the same or a different location, necessitating a gaze shift. BE occurred in both cases. BE’s time course is rapid, unfolding early in processing, so it is present whether or not there is a shift in gaze.