

Serial dependence in biological motion perception

physical motion can affect each other by generating a cross-level

serial dependence.

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Introduction

- Serial dependence refers to the perception bias of the current stimulus towards the previous one, which has been widely found in studies of low-level physical stimuli.
- Apart from physical information, perceiving biological motion is also crucial for human survival.
- Is there serial dependence when we perceive dynamic physical stimulus and biological motion (Exp. 1&2)?
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Relative orientation of previous trial (deg)

Results

Methods 500ms 1000ms 250ms until response 2000ms Exp. 1 Exp. 2 1000ms 300ms 300ms 2500ms 450ms 700ms Exp. 3 繷 reference probe inducer 15°, 75° or -15°, -75° 45° 0°,15°,30°,45°,60°,75°,90° or 0°,-15°,-30°,-45°,-60°,-75°,-90° or -45° **Conclusions** • Serial dependence exists in the perception of biological motion. • Biological motion and low-level

Orientation of probe (deg)