

## THE CUE OF MOTION CONTINUITY AND CAUSAL PERCEPTION

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The cue of motion continuity has often been regarded as the key to perceived causality involving colliding objects. The present investigation, using computer simulation of colliding objects, was designed to determine the necessity of this cue to perceived causality in mechanical collision. Results from Experiment I clearly refuted the hypothesis that motion continuity is necessary for perceived causality. Furthermore, temporal (delay) and spatial (gap) manipulations had similar effects on causal perception of events with or without motion continuity. Additional evidence from a brief questionnaire lends support to the hypothesis that perceived causality is intimately related to our knowledge of physical collisions in nature.

Keyword: Causal perception, Motion continuity