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### **Towards general principles of crossmodal integration**

Studies of multisensory processing and crossmodal integration have been expanding quickly in the last two decades or so. Owing to several new psychophysical paradigms and human brain imaging techniques, it has been already established that (1) vision does not always dominate in crossmodal integration. Indeed, audition or tactile sensation can "capture" visual percept, as demonstrated by our "illusory flash illusion" and Sekuler's "stream/bounce" effect. (2) Either signal-to-noise, or salient/transient signal strength seems to be critical for integration. Remaining, and perhaps more general, questions would be: (3) whether or not principles of sensory integration are different between within and across modalities, and (4) whether or not few general principles govern within-modal as well as cross-modal integration. Some new effects and speculation over the last two issues will be presented.