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Visual neurons in the pigeon brain encode the acceleration of stimulus motion.

Cao P, Gu Y, Wang SR

J Neurosci 2004 Sep 1 **24**(35):7690-8 [abstract on PubMed] [citations on Google Scholar] [related articles] [FREE full text]

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Dora Angelaki Washington University School of Medicine, United States of America NEUROSCIENCE Confirmation New Finding	**The authors present first-time evidence that visual neurons in the avian pretectum encode the acceleration of stimulus motion.** Such property, previously postulated in models of smooth pursuit eye movements, has never before been observed in the activities of individual neurons. These acceleration-sensitive cells, which comprise one-third of pretectal neurons, are characterized by plateau-shaped speed-tuning curves and show transient responses to the offset of motion. **Competing interests:** None declared Evaluated 9 Sep 2004 How to cite this evaluation

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